Astronomisches Jahrbuch

für

1914.

Der Sammlung Berliner astronomischer Jahrbücher
einhundert und neununddreißigster Band.

Berliner

Astronomisches Jahrbuch

für

1914

mit Angaben für die Oppositionen
der Planeten (1)—(714)

für

1912.

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von dem

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Vorwort.

Die Grundlagen des Berliner Astronomischen Jahrbuchs.

Den Ephemeriden des Jahrbuchs liegen die folgenden Tafelwerke zu Grunde:

Für die Sonne und die großen Planeten Merkur, Venus, Mars, Uranus und Neptun: die Tafeln von Newcomb, für Jupiter und Saturn: die Tafeln von Hill, enthalten in:

Astronomical Papers of the American Ephemeris,
Vol. VI, Part I—IV: *Tables of the four inner planets,*
Vol. VII, Part I—IV: *Tables of Jupiter, Saturn, Uranus, Neptun.*

Für den Mond:

Tables de la lune von P. A. Hansen, unter Verbesserung der Tafel 34 für das Fundamentalargument nach Newcomb. Außerdem enthalten die Mondörter die empirischen Korrektionen von Newcomb nach: „Corrections to Hansen's tables of the Moon" (Washington, 1878).

Für den scheinbaren Mondradius ist der von J. Peters ermittelte Wert 15′ 32″.59 entsprechend der Parallaxe 57′ 2″.27 benutzt (A. N. Bd. 138, S. 147).

Bei der Berechnung der Mondörter hat die ausführliche Mondephemeride des *Nautical Almanac* der Redaktion infolge Übereinkommens mit der „*Nautical Almanac Office*" in den Aushängebogen zur Verfügung gestanden.

Für die Fixsterne:

Neuer Fundamentalkatalog des Berliner Astronomischen Jahrbuchs nach den Grundlagen von A. Auwers, für die Epochen 1875 und 1900 bearbeitet von Dr. J. Peters (Veröffentlichung Nr. 33 des Königlichen Astronomischen Recheninstituts).

Als Werte der fundamentalen Reduktionskonstanten sind nach den Beschlüssen der Pariser Konferenz vom Mai 1896 (Conférence internationale des étoiles fondamentales. Procès-verbaux. Paris 1896) angenommen:

Die Präzessions-Größen nach S. Newcomb
(Astr. Papers Vol. VIII, Part I).

Die Nutations-Konstante . . 9″.21

Die Aberrations-Konstante . . 20″.47

Die Sonnen-Parallaxe . . . . 8″.80

Ferner sind in allen Ephemeriden der Sonne, der Planeten und der Fixsterne die kurzperiodischen, von der Mondlänge abhängigen Nutationsglieder weggelassen; doch bietet das Jahrbuch die Möglichkeit, auch diese weggelassenen Glieder zu berücksichtigen (s. Erläuterungen).

Von Änderungen gegenüber dem Vorjahr ist zu erwähnen:

1. Die Tafel zur Verwandlung der mittleren Zeit in Sternzeit und umgekehrt ist in ausführlicherer Form als bisher gegeben.
2. Die Tafel für die Julianische Periode hat eine Erweiterung erfahren durch eine Tafel, welche für die einzelnen Jahre 1860 bis 1940 unmittelbar die Anzahl der am 0. jedes Monats im gregorianischen Kalender seit Beginn der julianischen Periode verflossenen Tage gibt.
3. Nach dem Vorschlage von F. Ristenpart in Nr. 1 der »Publicaciones« der Sternwarte von Santiago ist eine Tafel zur Übertragung von Sternörtern vom mittleren Äquinoktium 1914.0 auf das Normal-Äquinoktium 1925.0 hinzugefügt worden.
4. Über die Neugestaltung der auf die kleinen Planeten bezüglichen Angaben ist aus den Erläuterungen Seite [26]—[31] das Nähere zu ersehen.

Fritz Cohn.

Berichtigungen.

Jahrbuch 1913.

Seite 144	Okt. 8 Log. Rad. v. lies 9.6666 anstatt 9.6665
Seite 226	β Octantis sec δ lies +7.04 anstatt +7.64
Seite 234	9) ι Ceti tg δ lies —0.164 anstatt —0.162
Seite 285	335) ι Ursae maj. tg δ lies +1.126 anstatt +0.126
Seite 363	848) 7 Lacertae Dez. 26 Dekl. lies 95″.3 anstatt 94″.3
Seite 370	895) 41 H. Cephei sec δ lies 2.594 anstatt 2.794
Seite 471	Washington (Neue Stw.) Geoz. Breite lies +38° 43′ 59″.3 anstatt +38° 44′ 0″.1; desgl. in den früheren Jahrgängen
Seite [21]	zweite Zeile von oben lies (s. S. [12]) anstatt S. [5]

Jahrbuch 1914.

Seite 150	54) α Eridani Dekl. lies 57° 40′ 24″.41 anstatt 58° 40′ 24″.41
Seite 165	680) 72 Ophiuchi AR. lies $18^h 3^m 16^s.326$ anstatt $14^h 3^m 16^s.326$

Die Berichtigungen zu dem auf die kleinen Planeten bezüglichen Teil am Schluſs der Erläuterungen S. [32].

Inhalt.

Astronomische Zeichen und Abkürzungen.

Bezeichnung
der
Wochentage.

☉ Sonntag.
☾ Montag.
♂ Dienstag.
☿ Mittwoch.
♃ Donnerstag.
♀ Freitag.
♄ Sonnabend.

Adspekten.

☌ Konjunktion.
□ Quadratur.
☍ Opposition.

Mondphasen.

● Neumond.
◐ Erstes Viertel.
○ Vollmond.
◑ Letztes Viertel.

☊ Aufsteigender } Knoten.
☋ Niedersteigender } Knoten.

Zeichen
des Tierkreises und der Himmelskörper.

♈	Widder . . .	0	Grad.	
♉	Stier	30	»	☉ Sonne.
♊	Zwillinge . .	60	»	☾ Mond.
♋	Krebs	90	»	☿ Mercur.
♌	Löwe	120	»	♀ Venus.
♍	Jungfrau . .	150	»	♁ Erde.
♎	Waage . . .	180	»	♂ Mars.
♏	Skorpion . .	210	»	♃ Jupiter.
♐	Schütze . . .	240	»	♄ Saturn.
♑	Steinbock . .	270	»	♅ Uranus.
♒	Wassermann	300	»	♆ Neptun.
♓	Fische . . .	330	»	

Zeit- und Festrechnung 1914.

Das Jahr 1914 entspricht dem
Jahr 6627 der Julianischen Periode und dem
Jahr 7422 — 7423 der Byzantinischen Äre.

	Gregorianischer oder Neuer Kalender.	Julianischer oder Alter Kalender.
Goldene Zahl	15	15
Epakten	III	XV
Sonnenzirkel	19	19
Römer Zinszahl	12	12
Sonntagsbuchstab	D	E
Septuagesima	Febr. 8	Febr. 2
Aschermittwoch	Febr. 25	Febr. 19
I. Quatember	März 4	Febr. 26
Ostersonntag	April 12	April 6
Himmelfahrt	Mai 21	Mai 15
Pfingstsonntag	Mai 31	Mai 25
II. Quatember	Juni 3	Mai 28
III. Quatember	Sept. 16	Sept. 17
I. Advent	Nov. 29	Nov. 30
IV. Quatember	Dez. 16	Dez. 17

Kalender der Mohammedaner.

1332 (Gemeinjahr)		
Rebî-el-awwel 1	1914	Jan. 28
Rebî-el-accher 1	»	Febr. 27
Dschemâdi-el-awwel 1	»	März 28
Dschemâdi-el-accher 1	»	April 27
Redscheb 1	»	Mai 26
Schabân 1	»	Juni 25
Ramadân 1	»	Juli 24
Schewwâl 1	»	Aug. 23
Dsû 'l-kade 1	»	Sept. 21
Dsû 'l-hedsche 1	»	Okt. 21
1333 (Schaltjahr)		
Moharrem 1	»	Nov. 19
Safar 1	»	Dez. 19

Kalender der Juden.

5674	Tebet	10	Fasten. Belagerung Jerusalems . .	1914	Jan.	8
	Schebat	1	. . . .	»		28
	Adar	1	. . . .	»	Febr.	27
		13	Fasten-Esther	»	März	11
		14	Purim	»		12
		15	Schuschan-Purim	»		13
	Nisan	1	. . . .	»		28
		15	Passah-Anfang*	»	April	11
		16	Zweites Fest*	»		12
		21	Siebentes Fest*	»		17
		22	Achtes Fest*	»		18
	Ijar	1	. . . .	»		27
		18	Lag-B'omer	»	Mai	14
	Sivan	1	. . . .	»		26
		6	Wochenfest*	»		31
		7	Zweites Fest*	»	Juni	1
	Thamuz	1	. . . .	»		25
		18	Fasten. Tempeleroberung	»	Juli	12
	Ab	1	. . . .	»		24
		10	Fasten. Tempelverbrennung . . .	»	Aug.	2
	Elul	1	. . . .	»		23
5675 { Abgekürztes Gemeinjahr						
	Tischri	1	Neujahrsfest*	»	Sept.	21
		2	Zweites Fest*	»		22
		3	Fasten-Gedaljah	»		23
		10	Versöhnungsfest*	»		30
		15	Laubhüttenfest*	»	Okt.	5
		16	Zweites Fest*	»		6
		21	Palmenfest	»		11
		22	Versammlung oder Laubhüttenende* .	»		12
		23	Gesetzesfreude*	»		13
	Marcheschwan	1	. . . .	»		21
	Kislev	1	. . . .	»	Nov.	19
		25	Tempelweihe	»	Dez.	13
	Tebet	1	. . . .	»		18
		10	Fasten. Belagerung Jerusalems . .	»		27

Die mit * bezeichneten Festtage werden streng gefeiert.

1914	Schiefe der Ekliptik mittlere	Schiefe der Ekliptik wahre	Präzession in Länge	Nutation in Länge	Aberration der Sonne	Parallaxe der Sonne
	23°					
	′ ″	′ ″	″	″	″	″
Jan. 0	27 1.70	27 10.11	— 0.10	+3.78	20.82	8.95
10	1.69	10.18	+ 1.27	4.35	20.82	8.95
20	1.68	10.29	2.65	4.83	20.80	8.94
30	1.66	10.44	4.03	5.16	20.78	8.93
Febr. 9	1.65	10.61	5.40	5.33	20.75	8.92
19	27 1.64	27 10.76	+ 6.78	+5.35	20.70	8.90
März 1	1.62	10.88	8.15	5.23	20.65	8.88
11	1.61	10.94	9.53	5.01	20.60	8.86
21	1.60	10.94	10.91	4.73	20.54	8.83
31	1.59	10.87	12.28	4.45	20.48	8.81
April 10	27 1.57	27 10.74	+13.66	+4.22	20.43	8.78
20	1.56	10.56	15.03	4.08	20.37	8.76
30	1.55	10.35	16.41	4.06	20.32	8.73
Mai 10	1.53	10.13	17.79	4.18	20.27	8.71
20	1.52	9.92	19.16	4.44	20.22	8.69
30	27 1.51	27 9.73	+20.54	+4.82	20.19	8.68
Juni 9	1.50	9.59	21.91	5.30	20.16	8.67
19	1.48	9.50	23.29	5.83	20.14	8.66
29	1.47	9.47	24.67	6.37	20.13	8.66
Juli 9	1.46	9.50	26.04	6.88	20.13	8.66
19	27 1.44	27 9.58	+27.42	+7.31	20.14	8.66
29	1.43	9.69	28.79	7.63	20.16	8.67
Aug. 8	1.42	9.83	30.17	7.83	20.19	8.68
18	1.41	9.96	31.55	7.88	20.23	8.69
28	1.39	10.08	32.92	7.80	20.27	8.71
Sept. 7	27 1.38	27 10.15	+34.30	+7.61	20.32	8.73
17	1.37	10.17	35.67	7.35	20.37	8.76
27	1.36	10.13	37.05	7.05	20.43	8.78
Okt. 7	1.34	10.03	38.43	6.78	20.49	8.81
17	1.33	9.86	39.80	6.57	20.54	8.83
27	27 1.32	27 9.65	+41.18	+6.47	20.60	8.86
Nov. 6	1.30	9.42	42.55	6.52	20.66	8.88
16	1.29	9.17	43.93	6.73	20.71	8.90
26	1.28	8.94	45.31	7.09	20.75	8.92
Dez. 6	1.27	8.76	46.68	7.58	20.78	8.93
16	27 1.25	27 8.63	+48.06	+8.15	20.80	8.94
26	1.24	8.57	49.43	8.76	20.82	8.95
36	1.23	8.57	50.81	9.35	20.82	8.95

Mittlere Schiefe der Ekliptik für 1910.0 = 23° 27′ 3″.58.

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Jan.	0	Mi	+ 2 57.40	18 40 2.22	4 25.33	−23 8 1.3	4 27.9	141.93	16 15.95
	1	Do	3 26.17	18 44 27.55	4 25.00	23 3 33.4	4 55.5	141.85	16 15.96
	2	Fr	3 54.61	18 48 52.55	4 24.65	22 58 37.9	5 23.0	141.77	16 15.96
	3	Sa	4 22.70	18 53 17.20	4 24.26	22 53 14.9	5 50.3	141.68	16 15.97
	4	St	4 50.40	18 57 41.46	4 23.85	22 47 24.6	6 17.4	141.58	16 15.97
	5	Mo	+ 5 17.69	19 2 5.31	4 23.40	−22 41 7.2	6 44.4	141.47	16 15.96
	6	Di	5 44.53	19 6 28.71	4 22.93	22 34 22.8	7 11.1	141.35	16 15.95
	7	Mi	6 10.90	19 10 51.64	4 22.43	22 27 11.7	7 37.5	141.23	16 15.94
	8	Do	6 36.77	19 15 14.07	4 21.91	22 19 34.2	8 3.8	141.10	16 15.92
	9	Fr	7 2.12	19 19 35.98	4 21.37	22 11 30.4	8 29.8	140.96	16 15.89
	10	Sa	+ 7 26.93	19 23 57.35	4 20.80	−22 3 0.6	8 55.6	140.81	16 15.85
	11	St	7 51.18	19 28 18.15	4 20.22	21 54 5.0	9 21.1	140.65	16 15.81
	12	Mo	8 14.84	19 32 38.37	4 19.62	21 44 43.9	9 46.4	140.49	16 15.77
	13	Di	8 37.90	19 36 57.99	4 19.00	21 34 57.5	10 11.5	140.32	16 15.71
	14	Mi	9 0.34	19 41 16.99	4 18.36	21 24 46.0	10 36.2	140.15	16 15.65
	15	Do	+ 9 22.15	19 45 35.35	4 17.72	−21 14 9.8	11 0.7	139.97	16 15.58
	16	Fr	9 43.31	19 49 53.07	4 17.05	21 3 9.1	11 24.8	139.78	16 15.51
	17	Sa	10 3.80	19 54 10.12	4 16.37	20 51 44.3	11 48.7	139.59	16 15.44
	18	St	10 23.61	19 58 26.49	4 15.68	20 39 55.6	12 12.3	139.40	16 15.35
	19	Mo	10 42.73	20 2 42.17	4 14.97	20 27 43.3	12 35.5	139.20	16 15.26
	20	Di	+11 1.14	20 6 57.14	4 14.24	−20 15 7.8	12 58.5	139.00	16 15.17
	21	Mi	11 18.83	20 11 11.38	4 13.50	20 2 9.3	13 21.1	138.79	16 15.07
	22	Do	11 35.77	20 15 24.88	4 12.75	19 48 48.2	13 43.2	138.58	16 14.97
	23	Fr	11 51.96	20 19 37.63	4 11.98	19 35 5.0	14 5.1	138.37	16 14.87
	24	Sa	12 7.38	20 23 49.61	4 11.19	19 20 59.9	14 26.5	138.15	16 14.76
	25	St	+12 22.02	20 28 0.80	4 10.40	−19 6 33.4	14 47.5	137.93	16 14.65
	26	Mo	12 35.86	20 32 11.20	4 9.60	18 51 45.9	15 8.2	137.71	16 14.53
	27	Di	12 48.90	20 36 20.80	4 8.78	18 36 37.7	15 28.5	137.49	16 14.41
	28	Mi	13 1.12	20 40 29.58	4 7.96	18 21 9.2	15 48.3	137.27	16 14.29
	29	Do	13 12.53	20 44 37.54	4 7.14	18 5 20.9	16 7.7	137.04	16 14.16
	30	Fr	+13 23.11	20 48 44.68	4 6.30	−17 49 13.2	16 26.8	136.81	16 14.03
	31	Sa	13 32.85	20 52 50.98	4 5.46	17 32 46.4	16 45.4	136.58	16 13.90
Febr.	1	St	13 41.76	20 56 56.44	4 4.63	17 16 1.0	17 3.5	136.35	16 13.77
	2	Mo	13 49.83	21 1 1.07	4 3.79	16 58 57.5	17 21.3	136.12	16 13.63
	3	Di	13 57.06	21 5 4.86	4 2.95	16 41 36.2	17 38.6	135.89	16 13.48
	4	Mi	+14 3.45	21 9 7.81	4 2.12	−16 23 57.6	17 55.6	135.66	16 13.33
	5	Do	14 9.01	21 13 9.93	4 1.28	16 6 2.0	18 12.1	135.43	16 13.18
	6	Fr	14 13.74	21 17 11.21	4 0.46	15 47 49.9	18 28.2	135.20	16 13.02
	7	Sa	14 17.65	21 21 11.67	3 59.65	15 29 21.7	18 43.9	134.97	16 12.86
	8	St	14 20.74	21 25 11.32		15 10 37.8		134.75	16 12.69

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 dλ	dε
Jan.	0	0	18h 37m 4s.82	279° 12′ 6″.80	61′ 10″.42	−0″.20	9.9926787	59	+25	+2
	1	1	18 41 1.38	280 13 17.22	61 10.25	−0.08	9.9926728	39	+19	+6
	2	2	18 44 57.94	281 14 27.47	61 10.00	+0.05	9.9926689	20	+11	+8
	3	3	18 48 54.50	282 15 37.47	61 9.71	+0.17	9.9926669	— 2	0	+9
	4	4	18 52 51.06	283 16 47.18	61 9.37	+0.29	9.9926671	24	−10	+8
	5	5	18 56 47.62	284 17 56.55	61 9.01	+0.40	9.9926695	48	−19	+5
	6	6	19 0 44.18	285 19 5.56	61 8.61	+0.49	9.9926743	73	−24	+2
	7	7	19 4 40.74	286 20 14.17	61 8.19	+0.56	9.9926816	98	−25	−2
	8	8	19 8 37.30	287 21 22.36	61 7.75	+0.61	9.9926914	125	−21	−6
	9	9	19 12 33.86	288 22 30.11	61 7.33	+0.63	9.9927039	152	−14	−8
	10	10	19 16 30.41	289 23 37.44	61 6.92	+0.62	9.9927191	181	− 5	−9
	11	11	19 20 26.97	290 24 44.36	61 6.54	+0.58	9.9927372	209	+ 4	−7
	12	12	19 24 23.53	291 25 50.90	61 6.18	+0.51	9.9927581	238	+11	−5
	13	13	19 28 20.09	292 26 57.08	61 5.86	+0.41	9.9927819	267	+15	−1
	14	14	19 32 16.65	293 28 2.94	61 5.57	+0.30	9.9928086	294	+15	+3
	15	15	19 36 13.21	294 29 8.51	61 5.31	+0.17	9.9928380	321	+11	+6
	16	16	19 40 9.76	295 30 13.82	61 5.05	+0.04	9.9928701	347	+ 4	+8
	17	17	19 44 6.32	296 31 18.87	61 4.79	−0.09	9.9929048	371	− 3	+9
	18	18	19 48 2.88	297 32 23.66	61 4.51	−0.21	9.9929419	394	− 9	+7
	19	19	19 51 59.44	298 33 28.17	61 4.19	−0.31	9.9929813	415	−16	+4
	20	20	19 55 56.00	299 34 32.36	61 3.82	−0.39	9.9930228	434	−16	0
	21	21	19 59 52.55	300 35 36.18	61 3.38	−0.44	9.9930662	452	−14	−4
	22	22	20 3 49.11	301 36 39.56	61 2.86	−0.45	9.9931114	469	− 7	−7
	23	23	20 7 45.67	302 37 42.42	61 2.24	−0.44	9.9931583	484	+ 3	−9
	24	24	20 11 42.23	303 38 44.66	61 1.53	−0.40	9.9932067	500	+12	−9
	25	25	20 15 38.78	304 39 46.19	61 0.74	−0.33	9.9932567	515	+20	−7
	26	26	20 19 35.34	305 40 46.93	60 59.86	−0.23	9.9933082	530	+25	−4
	27	27	20 23 31.90	306 41 46.79	60 58.88	−0.12	9.9933612	544	+25	0
	28	28	20 27 28.46	307 42 45.67	60 57.81	0.00	9.9934156	559	+22	+4
	29	29	20 31 25.01	308 43 43.48	60 56.66	+0.13	9.9934715	575	+14	+7
	30	30	20 35 21.57	309 44 40.14	60 55.45	+0.26	9.9935290	591	+ 4	+9
	31	31	20 39 18.13	310 45 35.59	60 54.18	+0.38	9.9935881	608	− 6	+8
Febr.	1	32	20 43 14.68	311 46 29.77	60 52.86	+0.50	9.9936489	625	−16	+6
	2	33	20 47 11.24	312 47 22.63	60 51.49	+0.60	9.9937114	643	−22	+3
	3	34	20 51 7.80	313 48 14.12	60 50.08	+0.67	9.9937757	662	−24	−1
	4	35	20 55 4.35	314 49 4.20	60 48.64	+0.71	9.9938419	682	−22	−5
	5	36	20 59 0.91	315 49 52.84	60 47.17	+0.73	9.9939101	702	−16	−8
	6	37	21 2 57.47	316 50 40.01	60 45.68	+0.73	9.9939803	724	− 8	−9
	7	38	21 6 54.02	317 51 25.69	60 44.19	+0.70	9.9940527	746	+ 1	−8
	8	39	21 10 50.58	318 52 9.88		+0.63	9.9941273		+ 9	−6

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Febr. 7	Sa	+14 17.65	21 21 11.67	3 59.65	−15 29 21.7	18 43.9	134.97	16 12.86
8	St	14 20.74	21 25 11.32	3 58.84	15 10 37.8	18 59.2	134.75	16 12.69
9	Mo	14 23.03	21 29 10.16	3 58.05	14 51 38.6	19 14.1	134.52	16 12.52
10	Di	14 24.52	21 33 8.21	3 57.26	14 32 24.5	19 28.6	134.30	16 12.34
11	Mi	14 25.22	21 37 5.47	3 56.49	14 12 55.9	19 42.7	134.08	16 12.16
12	Do	+14 25.15	21 41 1.96	3 55.73	−13 53 13.2	19 56.5	133.86	16 11.97
13	Fr	14 24.33	21 44 57.69	3 54.99	13 33 16.7	20 9.9	133.64	16 11.78
14	Sa	14 22.77	21 48 52.68	3 54.26	13 13 6.8	20 22.9	133.43	16 11.58
15	St	14 20.48	21 52 46.94	3 53.55	12 52 43.9	20 35.4	133.22	16 11.38
16	Mo	14 17.47	21 56 40.49	3 52.85	12 32 8.5	20 47.6	133.01	16 11.17
17	Di	+14 13.76	22 0 33.34	3 52.16	−12 11 20.9	20 59.4	132.80	16 10.96
18	Mi	14 9.36	22 4 25.50	3 51.48	11 50 21.5	21 10.8	132.60	16 10.75
19	Do	14 4.29	22 8 16.98	3 50.81	11 29 10.7	21 21.7	132.40	16 10.53
20	Fr	13 58.55	22 12 7.79	3 50.16	11 7 49.0	21 32.2	132.21	16 10.31
21	Sa	13 52.15	22 15 57.95	3 49.51	10 46 16.8	21 42.3	132.02	16 10.09
22	St	+13 45.11	22 19 47.46	3 48.88	−10 24 34.5	21 51.9	131.83	16 9.87
23	Mo	13 37.44	22 23 36.34	3 48.27	10 2 42.6	22 1.2	131.65	16 9.64
24	Di	13 29.15	22 27 24.61	3 47.67	9 40 41.4	22 10.0	131.47	16 9.41
25	Mi	13 20.26	22 31 12.28	3 47.07	9 18 31.4	22 18.3	131.29	16 9.18
26	Do	13 10.78	22 34 59.35	3 46.49	8 56 13.1	22 26.2	131.12	16 8.95
27	Fr	+13 0.72	22 38 45.84	3 45.93	− 8 33 46.9	22 33.8	130.96	16 8.72
28	Sa	12 50.09	22 42 31.77	3 45.38	8 11 13.1	22 40.8	130.80	16 8.49
März 1	St	12 38.91	22 46 17.15	3 44.85	7 48 32.3	22 47.5	130.65	16 8.25
2	Mo	12 27.21	22 50 2.00	3 44.33	7 25 44.8	22 53.8	130.50	16 8.02
3	Di	12 14.99	22 53 46.33	3 43.84	7 2 51.0	22 59.6	130.36	16 7.78
4	Mi	+12 2.27	22 57 30.17	3 43.35	− 6 39 51.4	23 5.1	130.22	16 7.54
5	Do	11 49.07	23 1 13.52	3 42.89	6 16 46.3	23 10.1	130.09	16 7.30
6	Fr	11 35.40	23 4 56.41	3 42.45	5 53 36.2	23 14.8	129.96	16 7.05
7	Sa	11 21.30	23 8 38.86	3 42.03	5 30 21.4	23 19.1	129.84	16 6.81
8	St	11 6.78	23 12 20.89	3 41.63	5 7 2.3	23 23.0	129.72	16 6.56
9	Mo	+10 51.85	23 16 2.52	3 41.24	− 4 43 39.3	23 26.5	129.61	16 6.30
10	Di	10 36.54	23 19 43.76	3 40.89	4 20 12.8	23 29.7	129.50	16 6.05
11	Mi	10 20.88	23 23 24.65	3 40.56	3 56 43.1	23 32.6	129.40	16 5.79
12	Do	10 4.88	23 27 5.21	3 40.25	3 33 10.5	23 35.2	129.31	16 5.53
13	Fr	9 48.57	23 30 45.46	3 39.97	3 9 35.3	23 37.3	129.22	16 5.26
14	Sa	+ 9 31.99	23 34 25.43	3 39.72	− 2 45 58.0	23 39.1	129.14	16 5.00
15	St	9 15.16	23 38 5.15	3 39.49	2 22 18.9	23 40.7	129.07	16 4.73
16	Mo	8 58.09	23 41 44.64	3 39.27	1 58 38.2	23 41.8	129.00	16 4.45
17	Di	8 40.81	23 45 23.91	3 39.08	1 34 56.4	23 42.6	128.93	16 4.18
18	Mi	8 23.34	23 49 2.99		1 11 13.8		128.87	16 3.90

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0″.01 dλ	dε
		h m s	° ′ ″	′ ″	″				
Febr. 7	38	21 6 54.02	317 51 25.69	60 44.19	+0.70	9.9940527	746	+ 1	−8
8	39	21 10 50.58	318 52 9.88	60 42.74	+0.63	9.9941273	770	+ 9	−6
9	40	21 14 47.13	319 52 52.62	60 41.33	+0.53	9.9942043	794	+14	−2
10	41	21 18 43.69	320 53 33.95	60 39.97	+0.41	9.9942837	817	+15	+2
11	42	21 22 40.25	321 54 13.92	60 38.65	+0.28	9.9943654	841	+12	+6
12	43	21 26 36.80	322 54 52.57	60 37.37	+0.15	9.9944495	864	+ 7	+8
13	44	21 30 33.36	323 55 29.94	60 36.13	+0.01	9.9945359	886	− 1	+9
14	45	21 34 29.91	324 56 6.07	60 34.92	−0.12	9.9946245	906	− 8	+8
15	46	21 38 26.47	325 56 40.99	60 33.73	−0.23	9.9947151	924	−14	+5
16	47	21 42 23.02	326 57 14.72	60 32.53	−0.32	9.9948075	941	−16	+1
17	48	21 46 19.58	327 57 47.25	60 31.30	−0.38	9.9949016	956	−15	−3
18	49	21 50 16.13	328 58 18.55	60 30.03	−0.41	9.9949972	970	− 9	−6
19	50	21 54 12.69	329 58 48.58	60 28.72	−0.41	9.9950942	981	− 1	−8
20	51	21 58 9.24	330 59 17.30	60 27.34	−0.38	9.9951923	992	+ 9	−9
21	52	22 2 5.80	331 59 44.64	60 25.88	−0.32	9.9952915	1002	+18	−7
22	53	22 6 2.35	333 0 10.52	60 24.35	−0.23	9.9953917	1011	+23	−5
23	54	22 9 58.91	334 0 34.87	60 22.75	−0.12	9.9954928	1018	+26	−1
24	55	22 13 55.46	335 0 57.62	60 21.08	0.00	9.9955946	1025	+24	+3
25	56	22 17 52.02	336 1 18.70	60 19.35	+0.13	9.9956971	1032	+18	+7
26	57	22 21 48.57	337 1 38.05	60 17.54	+0.26	9.9958003	1040	+ 8	+9
27	58	22 25 45.13	338 1 55.59	60 15.66	+0.38	9.9959043	1047	− 3	+9
28	59	22 29 41.68	339 2 11.25	60 13.72	+0.49	9.9960090	1054	−13	+7
März 1	60	22 33 38.24	340 2 24.97	60 11.73	+0.59	9.9961144	1061	−20	+4
2	61	22 37 34.79	341 2 36.70	60 9.69	+0.67	9.9962205	1070	−24	0
3	62	22 41 31.34	342 2 46.39	60 7.61	+0.72	9.9963275	1079	−23	−4
4	63	22 45 27.90	343 2 54.00	60 5.49	+0.75	9.9964354	1088	−18	−7
5	64	22 49 24.45	344 2 59.49	60 3.35	+0.76	9.9965442	1097	−10	−9
6	65	22 53 21.01	345 3 2.84	60 1.19	+0.74	9.9966539	1109	− 2	−9
7	66	22 57 17.56	346 3 4.03	59 59.03	+0.68	9.9967648	1121	+ 6	−7
8	67	23 1 14.11	347 3 3.06	59 56.87	+0.58	9.9968769	1134	+13	−3
9	68	23 5 10.67	348 2 59.93	59 54.75	+0.46	9.9969903	1147	+14	+1
10	69	23 9 7.22	349 2 54.68	59 52.71	+0.33	9.9971050	1162	+14	+5
11	70	23 13 3.77	350 2 47.39	59 50.72	+0.20	9.9972212	1176	+ 8	+7
12	71	23 17 0.33	351 2 38.11	59 48.79	+0.06	9.9973388	1191	0	+9
13	72	23 20 56.88	352 2 26.90	59 46.93	−0.07	9.9974579	1204	− 7	+8
14	73	23 24 53.44	353 2 13.83	59 45.13	−0.19	9.9975783	1216	−14	+6
15	74	23 28 49.99	354 1 58.96	59 43.38	−0.29	9.9976999	1227	−16	+3
16	75	23 32 46.54	355 1 42.34	59 41.67	−0.36	9.9978226	1237	−16	−1
17	76	23 36 43.10	356 1 24.01	59 39.97	−0.40	9.9979463	1244	−12	−5
18	77	23 40 39.65	357 1 3.98		−0.42	9.9980707		− 4	−8

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
März 17	Di	+8 40.81	23 45 23.91	3 39.08	— 1 34 56.4	23 42.6	128.93	16 4.18
18	Mi	8 23.34	23 49 2.99	3 38.91	1 11 13.8	23 43.1	128.87	16 3.90
19	Do	8 5.70	23 52 41.90	3 38.77	0 47 30.7	23 43.1	128.82	16 3.63
20	Fr	7 47.91	23 56 20.67	3 38.64	0 23 47.6	23 42.8	128.78	16 3.35
21	Sa	7 29.99	23 59 59.31	3 38.53	— 0 0 4.8	23 42.1	128.74	16 3.07
22	St	+7 11.97	0 3 37.84	3 38.44	+ 0 23 37.3	23 41.1	128.70	16 2.79
23	Mo	6 53.86	0 7 16.28	3 38.36	0 47 18.4	23 39.6	128.67	16 2.51
24	Di	6 35.67	0 10 54.64	3 38.31	1 10 58.0	23 37.8	128.65	16 2.23
25	Mi	6 17.42	0 14 32.95	3 38.27	1 34 35.8	23 35.5	128.63	16 1.96
26	Do	5 59.14	0 18 11.22	3 38.25	1 58 11.3	23 32.9	128.62	16 1.68
27	Fr	+5 40.83	0 21 49.47	3 38.24	+ 2 21 44.2	23 30.0	128.62	16 1.40
28	Sa	5 22.52	0 25 27.71	3 38.25	2 45 14.2	23 26.6	128.62	16 1.13
29	St	5 4.22	0 29 5.96	3 38.29	3 8 40.8	23 22.9	128.63	16 0.85
30	Mo	4 45.95	0 32 44.25	3 38.33	3 32 3.7	23 18.8	128.64	16 0.58
31	Di	4 27.73	0 36 22.58	3 38.40	3 55 22.5	23 14.3	128.66	16 0.31
April 1	Mi	+4 9.57	0 40 0.98	3 38.48	+ 4 18 36.8	23 9.5	128.69	16 0.04
2	Do	3 51.50	0 43 39.46	3 38.58	4 41 46.3	23 4.3	128.72	15 59.77
3	Fr	3 33.53	0 47 18.04	3 38.70	5 4 50.6	22 58.8	128.76	15 59.50
4	Sa	3 15.68	0 50 56.74	3 38.84	5 27 49.4	22 52.9	128.80	15 59.23
5	St	2 57.96	0 54 35.58	3 38.99	5 50 42.3	22 46.7	128.85	15 58.96
6	Mo	+2 40.40	0 58 14.57	3 39.16	+ 6 13 29.0	22 40.1	128.90	15 58.69
7	Di	2 23.01	1 1 53.73	3 39.36	6 36 9.1	22 33.3	128.96	15 58.42
8	Mi	2 5.81	1 5 33.09	3 39.57	6 58 42.4	22 26.1	129.03	15 58.15
9	Do	1 48.82	1 9 12.66	3 39.81	7 21 8.5	22 18.7	129.10	15 57.87
10	Fr	1 32.08	1 12 52.47	3 40.07	7 43 27.2	22 10.9	129.18	15 57.60
11	Sa	+1 15.60	1 16 32.54	3 40.35	+ 8 5 38.1	22 2.8	129.26	15 57.33
12	St	0 59.40	1 20 12.89	3 40.66	8 27 40.9	21 54.4	129.34	15 57.06
13	Mo	0 43.50	1 23 53.55	3 40.98	8 49 35.3	21 45.7	129.43	15 56.78
14	Di	0 27.93	1 27 34.53	3 41.32	9 11 21.0	21 36.7	129.52	15 56.51
15	Mi	+0 12.70	1 31 15.85	3 41.68	9 32 57.7	21 27.4	129.62	15 56.24
16	Do	—0 2.18	1 34 57.53	3 42.06	+ 9 54 25.1	21 17.7	129.72	15 55.96
17	Fr	0 16.68	1 38 39.59	3 42.45	10 15 42.8	21 7.6	129.83	15 55.69
18	Sa	0 30.79	1 42 22.04	3 42.85	10 36 50.4	20 57.3	129.94	15 55.42
19	St	0 44.49	1 46 4.89	3 43.27	10 57 47.7	20 46.5	130.06	15 55.15
20	Mo	0 57.77	1 49 48.16	3 43.70	11 18 34.2	20 35.5	130.18	15 54.89
21	Di	—1 10.63	1 53 31.86	3 44.14	+11 39 9.7	20 24.1	130.30	15 54.62
22	Mi	1 23.04	1 57 16.00	3 44.60	11 59 33.8	20 12.3	130.43	15 54.36
23	Do	1 35.00	2 1 0.60	3 45.06	12 19 46.1	20 0.1	130.56	15 54.10
24	Fr	1 46.50	2 4 45.66	3 45.52	12 39 46.2	19 47.7	130.69	15 53.85
25	Sa	1 57.53	2 8 31.18		12 59 33.9		130.83	15 53.59

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff	Nut. ☾ in 0".01 $d\lambda$	$d\varepsilon$
		h m s	° ′ ″	′ ″	″				
März 17	76	23 36 43.10	356 1 24.01	59 39.97	−0.40	9.9979463	1244	−12	−5
18	77	23 40 39.65	357 1 3.98	59 38.26	−0.42	9.9980707	1249	− 4	−8
19	78	23 44 36.20	358 0 42.24	59 36.53	−0.40	9.9981956	1253	+ 6	−9
20	79	23 48 32.76	359 0 18.77	59 34.78	−0.35	9.9983209	1256	+15	−8
21	80	23 52 29.31	359 59 53.55	59 33.00	−0.27	9.9984465	1256	+23	−6
22	81	23 56 25.87	0 59 26.55	59 31.16	−0.17	9.9985721	1256	+26	−2
23	82	0 0 22.42	1 58 57.71	59 29.28	−0.06	9.9986977	1255	+25	+2
24	83	0 4 18.97	2 58 26.99	59 27.35	+0.07	9.9988232	1253	+20	+6
25	84	0 8 15.53	3 57 54.34	59 25.37	+0.20	9.9989485	1250	+12	+8
26	85	0 12 12.08	4 57 19.71	59 23.34	+0.32	9.9990735	1246	0	+9
27	86	0 16 8.63	5 56 43.05	59 21.26	+0.43	9.9991981	1243	−10	+8
28	87	0 20 5.19	6 56 4.31	59 19.13	+0.53	9.9993224	1239	−19	+5
29	88	0 24 1.74	7 55 23.44	59 16.94	+0.62	9.9994463	1236	−23	+1
30	89	0 27 58.29	8 54 40.38	59 14.72	+0.69	9.9995699	1232	−24	−3
31	90	0 31 54.85	9 53 55.10	59 12.47	+0.73	9.9996931	1228	−20	−6
April 1	91	0 35 51.40	10 53 7.57	59 10.19	+0.73	9.9998159	1226	−13	−8
2	92	0 39 47.96	11 52 17.76	59 7.87	+0.71	9.9999385	1224	− 5	−9
3	93	0 43 44.51	12 51 25.63	59 5.53	+0.66	0.0000609	1222	+ 4	−7
4	94	0 47 41.06	13 50 31.16	59 3.19	+0.59	0.0001831	1222	+10	−5
5	95	0 51 37.62	14 49 34.35	59 0.86	+0.49	0.0003053	1222	+14	−1
6	96	0 55 34.17	15 48 35.21	58 58.57	+0.36	0.0004275	1224	+14	+3
7	97	0 59 30.72	16 47 33.78	58 56.32	+0.22	0.0005499	1226	+10	+7
8	98	1 3 27.28	17 46 30.10	58 54.13	+0.08	0.0006725	1230	+ 2	+9
9	99	1 7 23.84	18 45 24.23	58 52.02	−0.06	0.0007955	1233	− 5	+9
10	100	1 11 20.39	19 44 16.25	58 50.01	−0.18	0.0009188	1237	−12	+7
11	101	1 15 16.94	20 43 6.26	58 48.08	−0.28	0.0010425	1240	−16	+4
12	102	1 19 13.50	21 41 54.34	58 46.24	−0.36	0.0011665	1242	−17	0
13	103	1 23 10.05	22 40 40.58	58 44.47	−0.42	0.0012907	1242	−13	−4
14	104	1 27 6.60	23 39 25.05	58 42.75	−0.44	0.0014149	1241	− 6	−7
15	105	1 31 3.16	24 38 7.80	58 41.05	−0.43	0.0015390	1238	+ 2	−9
16	106	1 34 59.71	25 36 48.85	58 39.38	−0.39	0.0016628	1234	+12	−9
17	107	1 38 56.27	26 35 28.23	58 37.72	−0.32	0.0017862	1227	+20	−7
18	108	1 42 52.82	27 34 5.95	58 36.05	−0.23	0.0019089	1220	+25	−3
19	109	1 46 49.38	28 32 42.00	58 34.37	−0.13	0.0020309	1211	+26	+1
20	110	1 50 45.93	29 31 16.37	58 32.67	−0.02	0.0021520	1201	+23	+5
21	111	1 54 42.49	30 29 49.04	58 30.94	+0.11	0.0022721	1190	+15	+7
22	112	1 58 39.04	31 28 19.98	58 29.19	+0.24	0.0023911	1178	+ 4	+9
23	113	2 2 35.60	32 26 49.17	58 27.41	+0.36	0.0025089	1165	− 6	+8
24	114	2 6 32.15	33 25 16.58	58 25.61	+0.47	0.0026254	1151	−16	+6
25	115	2 10 28.71	34 23 42.19		+0.56	0.0027405		−21	+3

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
April	24	Fr	—1 46.50	2 4 45.66	3 45.52	+12 39 46.2	19 47.7	130.69	15 53.85
	25	Sa	1 57.53	2 8 31.18	3 46.00	12 59 33.9	19 34.9	130.83	15 53.59
	26	St	2 8.08	2 12 17.18	3 46.49	13 19 8.8	19 21.7	130.97	15 53.34
	27	Mo	2 18.15	2 16 3.67	3 46.98	13 38 30.5	19 8.1	131.11	15 53.10
	28	Di	2 27.72	2 19 50.65	3 47.48	13 57 38.6	18 54.3	131.26	15 52.85
	29	Mi	—2 36.79	2 23 38.13	3 47.99	+14 16 32.9	18 40.2	131.41	15 52.61
	30	Do	2 45.36	2 27 26.12	3 48.50	14 35 13.1	18 25.7	131.56	15 52.38
Mai	1	Fr	2 53.42	2 31 14.62	3 49.02	14 53 38.8	18 10.8	131.72	15 52.14
	2	Sa	3 0.96	2 35 3.64	3 49.53	15 11 49.6	17 55.6	131.87	15 51.91
	3	St	3 7.98	2 38 53.17	3 50.06	15 29 45.2	17 40.2	132.03	15 51.68
	4	Mo	—3 14.47	2 42 43.23	3 50.60	+15 47 25.4	17 24.4	132.19	15 51.46
	5	Di	3 20.43	2 46 33.83	3 51.14	16 4 49.8	17 8.4	132.35	15 51.23
	6	Mi	3 25.85	2 50 24.97	3 51.68	16 21 58.2	16 52.1	132.51	15 51.01
	7	Do	3 30.73	2 54 16.65	3 52.23	16 38 50.3	16 35.4	132.67	15 50.79
	8	Fr	3 35.05	2 58 8.88	3 52.80	16 55 25.7	16 18.5	132.83	15 50.57
	9	Sa	—3 38.81	3 2 1.68	3 53.37	+17 11 44.2	16 1.4	133.00	15 50.35
	10	St	3 42.00	3 5 55.05	3 53.94	17 27 45.6	15 43.9	133.16	15 50.14
	11	Mo	3 44.61	3 9 48.99	3 54.52	17 43 29.5	15 26.2	133.33	15 49.92
	12	Di	3 46.64	3 13 43.51	3 55.11	17 58 55.7	15 8.2	133.50	15 49.71
	13	Mi	3 48.09	3 17 38.62	3 55.70	18 14 3.9	14 50.0	133.66	15 49.50
	14	Do	—3 48.95	3 21 34.32	3 56.29	+18 28 53.9	14 31.4	133.82	15 49.29
	15	Fr	3 49.22	3 25 30.61	3 56.88	18 43 25.3	14 12.6	133.98	15 49.08
	16	Sa	3 48.90	3 29 27.49	3 57.46	18 57 37.9	13 53.4	134.14	15 48.88
	17	St	3 48.00	3 33 24.95	3 58.04	19 11 31.3	13 34.0	134.30	15 48.68
	18	Mo	3 46.51	3 37 22.99	3 58.62	19 25 5.3	13 14.3	134.46	15 48.48
	19	Di	—3 44.44	3 41 21.61	3 59.20	+19 38 19.6	12 54.4	134.62	15 48.29
	20	Mi	3 41.80	3 45 20.81	3 59.76	19 51 14.0	12 34.1	134.78	15 48.10
	21	Do	3 38.60	3 49 20.57	4 0.31	20 3 48.1	12 13.6	134.93	15 47.91
	22	Fr	3 34.85	3 53 20.88	4 0.85	20 16 1.7	11 52.9	135.08	15 47.73
	23	Sa	3 30.56	3 57 21.73	4 1.38	20 27 54.6	11 31.8	135.23	15 47.55
	24	St	—3 25.74	4 1 23.11	4 1.90	+20 39 26.4	11 10.5	135.38	15 47.38
	25	Mo	3 20.39	4 5 25.01	4 2.41	20 50 36.9	10 49.0	135.52	15 47.21
	26	Di	3 14.54	4 9 27.42	4 2.89	21 1 25.9	10 27.2	135.66	15 47.05
	27	Mi	3 8.21	4 13 30.31	4 3.37	21 11 53.1	10 5.2	135.80	15 46.89
	28	Do	3 1.40	4 17 33.68	4 3.83	21 21 58.3	9 43.0	135.93	15 46.74
	29	Fr	—2 54.13	4 21 37.51	4 4.26	+21 31 41.3	9 20.6	136.06	15 46.59
	30	Sa	2 46.42	4 25 41.77	4 4.69	21 41 1.9	8 58.0	136.19	15 46.45
	31	St	2 38.29	4 29 46.46	4 5.10	21 49 59.9	8 35.2	136.31	15 46.31
Juni	1	Mo	2 29.75	4 33 51.56	4 5.48	21 58 35.1	8 12.2	136.43	15 46.17
	2	Di	2 20.82	4 37 57.04		22 6 47.3		136.54	15 46.04

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 dλ	dε
			h m s	° ′ ″	′ ″	″				
April	24	114	2 6 32.15	33 25 16.58	58 25.61	+0.47	0.0026254	1151	−16	+6
	25	115	2 10 28.71	34 23 42.19	58 23.76	+0.56	0.0027405	1137	−21	+3
	26	116	2 14 25.26	35 22 5.95	58 21.87	+0.63	0.0028542	1123	−24	−1
	27	117	2 18 21.82	36 20 27.82	58 19.96	+0.67	0.0029665	1109	−22	−5
	28	118	2 22 18.37	37 18 47.78	58 18.02	+0.68	0.0030774	1095	−16	−8
	29	119	2 26 14.93	38 17 5.80	58 16.05	+0.66	0.0031869	1081	− 7	−9
	30	120	2 30 11.48	39 15 21.85	58 14.06	+0.62	0.0032950	1067	+ 1	−8
Mai	1	121	2 34 8.04	40 13 35.91	58 12.03	+0.55	0.0034017	1054	+ 9	−6
	2	122	2 38 4.60	41 11 47.94	58 9.99	+0.45	0.0035071	1043	+14	−2
	3	123	2 42 1.15	42 9 57.93	58 7.97	+0.33	0.0036114	1032	+14	+2
	4	124	2 45 57.71	43 8 5.90	58 5.98	+0.20	0.0037146	1023	+11	+6
	5	125	2 49 54.26	44 6 11.88	58 4.04	+0.06	0.0038169	1014	+ 5	+8
	6	126	2 53 50.82	45 4 15.92	58 2.15	−0.07	0.0039183	1007	− 3	+9
	7	127	2 57 47.38	46 2 18.07	58 0.33	−0.20	0.0040190	1000	−10	+8
	8	128	3 1 43.93	47 0 18.40	57 58.60	−0.31	0.0041190	994	−16	+5
	9	129	3 5 40.49	47 58 17.00	57 56.97	−0.40	0.0042184	989	−17	+1
	10	130	3 9 37.05	48 56 13.97	57 55.44	−0.45	0.0043173	983	−15	−3
	11	131	3 13 33.60	49 54 9.41	57 54.00	−0.47	0.0044156	975	−10	−6
	12	132	3 17 30.16	50 52 3.41	57 52.66	−0.46	0.0045131	966	− 1	−8
	13	133	3 21 26.72	51 49 56.07	57 51.39	−0.43	0.0046097	957	+ 9	−9
	14	134	3 25 23.27	52 47 47.46	57 50.16	−0.37	0.0047054	947	+18	−7
	15	135	3 29 19.83	53 45 37.62	57 48.97	−0.29	0.0048001	934	+25	−5
	16	136	3 33 16.39	54 43 26.59	57 47.81	−0.19	0.0048935	919	+26	−1
	17	137	3 37 12.94	55 41 14.40	57 46.67	−0.08	0.0049854	904	+24	+3
	18	138	3 41 9.50	56 39 1.07	57 45.54	+0.04	0.0050758	888	+17	+7
	19	139	3 45 6.06	57 36 46.61	57 44.40	+0.15	0.0051646	870	+ 8	+9
	20	140	3 49 2.61	58 34 31.01	57 43.25	+0.26	0.0052516	851	− 2	+9
	21	141	3 52 59.17	59 32 14.26	57 42.10	+0.37	0.0053367	832	−12	+7
	22	142	3 56 55.73	60 29 56.36	57 40.94	+0.46	0.0054199	811	−19	+4
	23	143	4 0 52.29	61 27 37.30	57 39.77	+0.53	0.0055010	790	−23	0
	24	144	4 4 48.85	62 25 17.07	57 38.58	+0.57	0.0055800	768	−22	−4
	25	145	4 8 45.40	63 22 55.65	57 37.35	+0.58	0.0056568	746	−17	−7
	26	146	4 12 41.96	64 20 33.00	57 36.09	+0.57	0.0057314	725	−10	−9
	27	147	4 16 38.52	65 18 9.09	57 34.81	+0.53	0.0058039	703	− 2	−9
	28	148	4 20 35.08	66 15 43.90	57 33.51	+0.46	0.0058742	681	+ 7	−7
	29	149	4 24 31.63	67 13 17.41	57 32.19	+0.36	0.0059423	660	+12	−3
	30	150	4 28 28.19	68 10 49.60	57 30.85	+0.25	0.0060083	639	+14	+1
	31	151	4 32 24.75	69 8 20.45	57 29.51	+0.12	0.0060722	620	+12	+5
Juni	1	152	4 36 21.31	70 5 49.96	57 28.18	−0.02	0.0061342	602	+ 7	+7
	2	153	4 40 17.87	71 3 18.14		−0.15	0.0061944		− 1	+9

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juni 1	Mo	—2 29.75	4 33 51.56	4 5.48	+21 58 35.1	8 12.2	136.43	15 46.17
2	Di	2 20.82	4 37 57.04	4 5.86	22 6 47.3	7 49.1	136.54	15 46.04
3	Mi	2 11.52	4 42 2.90	4 6.21	22 14 36.4	7 25.8	136.65	15 45.91
4	Do	2 1.87	4 46 9.11	4 6.56	22 22 2.2	7 2.3	136.75	15 45.79
5	Fr	1 51.87	4 50 15.67	4 6.89	22 29 4.5	6 38.8	136.85	15 45.67
6	Sa	—1 41.54	4 54 22.56	4 7.20	+22 35 43.3	6 15.1	136.94	15 45.55
7	St	1 30.90	4 58 29.76	4 7.50	22 41 58.4	5 51.3	137.03	15 45.43
8	Mo	1 19.96	5 2 37.26	4 7.78	22 47 49.7	5 27.3	137.11	15 45.32
9	Di	1 8.74	5 6 45.04	4 8.05	22 53 17.0	5 3.3	137.19	15 45.21
10	Mi	0 57.24	5 10 53.09	4 8.31	22 58 20.3	4 39.1	137.26	15 45.10
11	Do	—0 45.49	5 15 1.40	4 8.54	+23 2 59.4	4 14.8	137.32	15 45.00
12	Fr	0 33.51	5 19 9.94	4 8.76	23 7 14.2	3 50.5	137.38	15 44.90
13	Sa	0 21.31	5 23 18.70	4 8.95	23 11 4.7	3 26.0	137.43	15 44.80
14	St	—0 8.92	5 27 27.65	4 9.13	23 14 30.7	3 1.4	137.48	15 44.70
15	Mo	+0 3.65	5 31 36.78	4 9.28	23 17 32.1	2 36.8	137.52	15 44.61
16	Di	+0 16.38	5 35 46.06	4 9.41	+23 20 8.9	2 12.2	137.55	15 44.53
17	Mi	0 29.23	5 39 55.47	4 9.51	23 22 21.1	1 47.4	137.58	15 44.45
18	Do	0 42.18	5 44 4.98	4 9.59	23 24 8.5	1 22.6	137.60	15 44.37
19	Fr	0 55.21	5 48 14.57	4 9.65	23 25 31.1	0 57.8	137.61	15 44.30
20	Sa	1 8.30	5 52 24.22	4 9.68	23 26 28.9	0 32.9	137.62	15 44.23
21	St	+1 21.41	5 56 33.90	4 9.67	+23 27 1.8	0 8.0	137.62	15 44.17
22	Mo	1 34.52	6 0 43.57	4 9.64	23 27 9.8	0 16.8	137.61	15 44.11
23	Di	1 47.61	6 4 53.21	4 9.59	23 26 53.0	0 41.6	137.60	15 44.06
24	Mi	2 0.65	6 9 2.80	4 9.51	23 26 11.4	1 6.4	137.58	15 44.02
25	Do	2 13.60	6 13 12.31	4 9.40	23 25 5.0	1 31.2	137.55	15 43.98
26	Fr	+2 26.44	6 17 21.71	4 9.26	+23 23 33.8	1 55.9	137.52	15 43.95
27	Sa	2 39.14	6 21 30.97	4 9.09	23 21 37.9	2 20.6	137.48	15 43.92
28	St	2 51.67	6 25 40.06	4 8.90	23 19 17.3	2 45.1	137.44	15 43.90
29	Mo	3 4.01	6 29 48.96	4 8.69	23 16 32.2	3 9.6	137.39	15 43.88
30	Di	3 16.13	6 33 57.65	4 8.44	23 13 22.6	3 34.0	137.33	15 43.86
Juli 1	Mi	+3 28.02	6 38 6.09	4 8.18	+23 9 48.6	3 58.2	137.27	15 43.85
2	Do	3 39.65	6 42 14.27	4 7.91	23 5 50.4	4 22.4	137.20	15 43.85
3	Fr	3 51.00	6 46 22.18	4 7.60	23 1 28.0	4 46.5	137.13	15 43.85
4	Sa	4 2.04	6 50 29.78	4 7.28	22 56 41.5	5 10.4	137.05	15 43.86
5	St	4 12.76	6 54 37.06	4 6.95	22 51 31.1	5 34.2	136.96	15 43.86
6	Mo	+4 23.15	6 58 44.01	4 6.61	+22 45 56.9	5 57.9	136.87	15 43.87
7	Di	4 33.20	7 2 50.62	4 6.24	22 39 59.0	6 21.4	136.77	15 43.89
8	Mi	4 42.89	7 6 56.86	4 5.87	22 33 37.6	6 44.8	136.67	15 43.90
9	Do	4 52.20	7 11 2.73	4 5.48	22 26 52.8	7 8.1	136.56	15 43.92
10	Fr	5 1.12	7 15 8.21		22 19 44.7		136.45	15 43.94

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. in 0″.01 dλ	(dε
		h m s	° ′ ″	′ ″	″				
Juni 1	152	4 36 21.31	70 5 49.96	57 28.18	−0.02	0.0061342	602	+ 7	+7
2	153	4 40 17.87	71 3 18.14	57 26.88	−0.15	0.0061944	586	− 1	+9
3	154	4 44 14.42	72 0 45.02	57 25.63	−0.28	0.0062530	571	− 8	+8
4	155	4 48 10.98	72 58 10.65	57 24.46	−0.39	0.0063101	557	−15	+6
5	156	4 52 7.54	73 55 35.11	57 23.37	−0.48	0.0063658	544	−18	+3
6	157	4 56 4.10	74 52 58.48	57 22.37	−0.54	0.0064202	531	−17	−1
7	158	5 0 0.66	75 50 20.85	57 21.46	−0.57	0.0064733	519	−13	−5
8	159	5 3 57.22	76 47 42.31	57 20.66	−0.58	0.0065252	507	− 5	−8
9	160	5 7 53.78	77 45 2.97	57 19.96	−0.55	0.0065759	494	+ 5	−9
10	161	5 11 50.33	78 42 22.93	57 19.37	−0.49	0.0066253	481	+16	−8
11	162	5 15 46.89	79 39 42.30	57 18.85	−0.40	0.0066734	466	+23	−5
12	163	5 19 43.45	80 37 1.15	57 18.39	−0.30	0.0067200	450	+26	−2
13	164	5 23 40.01	81 34 19.54	57 17.98	−0.19	0.0067650	433	+26	+2
14	165	5 27 36.57	82 31 37.52	57 17.62	−0.07	0.0068083	415	+21	+6
15	166	5 31 33.13	83 28 55.14	57 17.29	+0.05	0.0068498	395	+12	+8
16	167	5 35 29.69	84 26 12.43	57 16.97	+0.17	0.0068893	374	+ 1	+9
17	168	5 39 26.24	85 23 29.40	57 16.68	+0.27	0.0069267	353	− 9	+8
18	169	5 43 22.80	86 20 46.08	57 16.40	+0.36	0.0069620	331	−18	+5
19	170	5 47 19.36	87 18 2.48	57 16.12	+0.43	0.0069951	307	−22	+1
20	171	5 51 15.92	88 15 18.60	57 15.84	+0.48	0.0070258	282	−23	−3
21	172	5 55 12.48	89 12 34.44	57 15.54	+0.50	0.0070540	258	−20	−6
22	173	5 59 9.04	90 9 49.98	57 15.23	+0.49	0.0070798	232	−13	−8
23	174	6 3 5.60	91 7 5.21	57 14.89	+0.45	0.0071030	207	− 4	−9
24	175	6 7 2.15	92 4 20.10	57 14.53	+0.38	0.0071237	180	+ 4	−7
25	176	6 10 58.71	93 1 34.63	57 14.15	+0.28	0.0071417	154	+11	−4
26	177	6 14 55.27	93 58 48.78	57 13.73	+0.17	0.0071571	129	+14	−1
27	178	6 18 51.83	94 56 2.51	57 13.30	+0.05	0.0071700	104	+13	+3
28	179	6 22 48.39	95 53 15.81	57 12.85	−0.08	0.0071804	81	+ 8	+7
29	180	6 26 44.95	96 50 28.66	57 12.41	−0.21	0.0071885	59	+ 1	+9
30	181	6 30 41.51	97 47 41.07	57 11.98	−0.33	0.0071944	38	− 6	+9
Juli 1	182	6 34 38.07	98 44 53.05	57 11.57	−0.45	0.0071982	19	−13	+7
2	183	6 38 34.62	99 42 4.62	57 11.22	−0.55	0.0072001	0	−17	+4
3	184	6 42 31.18	100 39 15.84	57 10.95	−0.62	0.0072001	17	−18	0
4	185	6 46 27.74	101 36 26.79	57 10.76	−0.66	0.0071984	32	−14	−4
5	186	6 50 24.30	102 33 37.55	57 10.65	−0.66	0.0071952	46	− 7	−7
6	187	6 54 20.86	103 30 48.20	57 10.64	−0.63	0.0071906	61	+ 2	−9
7	188	6 58 17.42	104 27 58.84	57 10.73	−0.57	0.0071845	75	+12	−9
8	189	7 2 13.97	105 25 9.57	57 10.93	−0.48	0.0071770	90	+21	−7
9	190	7 6 10.53	106 22 20.50	57 11.22	−0.37	0.0071680	104	+26	−4
10	191	7 10 7.09	107 19 31.72		−0.25	0.0071576		+26	+1

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M.Zt. — W.Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Juli	9	Do	+4 52.20	7 11 2.73	4 5.48	+22 26 52.8	7 8.1	136.56	15 43.92
	10	Fr	5 1.12	7 15 8.21	4 5.07	22 19 44.7	7 31.2	136.45	15 43.94
	11	Sa	5 9.63	7 19 13.28	4 4.65	22 12 13.5	7 54.1	136.33	15 43.97
	12	St	5 17.72	7 23 17.93	4 4.23	22 4 19.4	8 16.9	136.20	15 44.00
	13	Mo	5 25.39	7 27 22.16	4 3.78	21 56 2.5	8 39.4	136.07	15 44.03
	14	Di	+5 32.62	7 31 25.94	4 3.32	+21 47 23.1	9 1.9	135.94	15 44.07
	15	Mi	5 39.38	7 35 29.26	4 2.85	21 38 21.2	9 24.1	135.80	15 44.11
	16	Do	5 45.67	7 39 32.11	4 2.36	21 28 57.1	9 46.1	135.66	15 44.16
	17	Fr	5 51.47	7 43 34.47	4 1.86	21 19 11.0	10 7.9	135.52	15 44.21
	18	Sa	5 56.77	7 47 36.33	4 1.34	21 9 3.1	10 29.5	135.37	15 44.26
	19	St	+6 1.56	7 51 37.67	4 0.82	+20 58 33.6	10 50.8	135.22	15 44.32
	20	Mo	6 5.82	7 55 38.49	4 0.28	20 47 42.8	11 11.9	135.07	15 44.39
	21	Di	6 9.54	7 59 38.77	3 59.73	20 36 30.9	11 32.8	134.91	15 44.46
	22	Mi	6 12.71	8 3 38.50	3 59.16	20 24 58.1	11 53.4	134.75	15 44.54
	23	Do	6 15.32	8 7 37.66	3 58.59	20 13 4.7	12 13.7	134.59	15 44.62
	24	Fr	+6 17.35	8 11 36.25	3 58.00	+20 0 51.0	12 33.8	134.42	15 44.71
	25	Sa	6 18.79	8 15 34.25	3 57.40	19 48 17.2	12 53.5	134.26	15 44.80
	26	St	6 19.63	8 19 31.65	3 56.79	19 35 23.7	13 13.0	134.09	15 44.90
	27	Mo	6 19.87	8 23 28.44	3 56.18	19 22 10.7	13 32.2	133.92	15 45.00
	28	Di	6 19.49	8 27 24.62	3 55.56	19 8 38.5	13 51.1	133.75	15 45.11
	29	Mi	+6 18.49	8 31 20.18	3 54.94	+18 54 47.4	14 9.7	133.58	15 45.22
	30	Do	6 16.87	8 35 15.12	3 54.31	18 40 37.7	14 28.0	133.41	15 45.34
	31	Fr	6 14.63	8 39 9.43	3 53.69	18 26 9.7	14 46.0	133.24	15 45.46
Aug.	1	Sa	6 11.77	8 43 3.12	3 53.07	18 11 23.7	15 3.8	133.07	15 45.59
	2	St	6 8.28	8 46 56.19	3 52.45	17 56 19.9	15 21.2	132.89	15 45.72
	3	Mo	+6 4.17	8 50 48.64	3 51.83	+17 40 58.7	15 38.4	132.72	15 45.85
	4	Di	5 59.44	8 54 40.47	3 51.22	17 25 20.3	15 55.4	132.55	15 45.98
	5	Mi	5 54.11	8 58 31.69	3 50.62	17 9 24.9	16 12.0	132.37	15 46.12
	6	Do	5 48.17	9 2 22.31	3 50.03	16 53 12.9	16 28.4	132.20	15 46.26
	7	Fr	5 41.64	9 6 12.34	3 49.44	16 36 44.5	16 44.5	132.03	15 46.40
	8	Sa	+5 34.53	9 10 1.78	3 48.87	+16 20 0.0	17 0.4	131.86	15 46.55
	9	St	5 26.84	9 13 50.65	3 48.29	16 2 59.6	17 15.9	131.69	15 46.69
	10	Mo	5 18.58	9 17 38.94	3 47.73	15 45 43.7	17 31.1	131.52	15 46.84
	11	Di	5 9.75	9 21 26.67	3 47.18	15 28 12.6	17 46.0	131.36	15 47.00
	12	Mi	5 0.37	9 25 13.85	3 46.63	15 10 26.6	18 0.7	131.19	15 47.15
	13	Do	+4 50.45	9 29 0.48	3 46.09	+14 52 25.9	18 15.1	131.03	15 47.31
	14	Fr	4 39.99	9 32 46.57	3 45.56	14 34 10.8	18 29.1	130.87	15 47.48
	15	Sa	4 28.99	9 36 32.13	3 45.04	14 15 41.7	18 42.8	130.71	15 47.64
	16	St	4 17.47	9 40 17.17	3 44.53	13 56 58.9	18 56.3	130.55	15 47.81
	17	Mo	4 5.44	9 44 1.70		13 38 2.6		130.40	15 47.99

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 dλ	dε
			h m s	° ′ ″	′ ″	″				
Juli	9	190	7 6 10.53	106 22 20.50	57 11.22	−0.37	0.0071680	104	+26	−4
	10	191	7 10 7.09	107 19 31.72	57 11.58	−0.25	0.0071576	120	+26	+1
	11	192	7 14 3.65	108 16 43.30	57 12.03	−0.12	0.0071456	136	+23	+5
	12	193	7 18 0.21	109 13 55.33	57 12.53	+0.01	0.0071320	154	+15	+7
	13	194	7 21 56.77	110 11 7.86	57 13.07	+0.13	0.0071166	172	+ 5	+9
	14	195	7 25 53.32	111 8 20.93	57 13.65	+0.24	0.0070994	192	− 5	+8
	15	196	7 29 49.88	112 5 34.58	57 14.27	+0.33	0.0070802	212	−15	+6
	16	197	7 33 46.44	113 2 48.85	57 14.91	+0.40	0.0070590	233	−21	+3
	17	198	7 37 43.00	114 0 3.76	57 15.58	+0.45	0.0070357	255	−23	−1
	18	199	7 41 39.56	114 57 19.34	57 16.26	+0.48	0.0070102	278	−21	−5
	19	200	7 45 36.11	115 54 35.60	57 16.94	+0.48	0.0069824	302	−14	−8
	20	201	7 49 32.67	116 51 52.54	57 17.62	+0.45	0.0069522	326	− 6	−9
	21	202	7 53 29.23	117 49 10.16	57 18.27	+0.39	0.0069196	352	+ 2	−8
	22	203	7 57 25.79	118 46 28.43	57 18.89	+0.31	0.0068844	377	+ 9	−6
	23	204	8 1 22.34	119 43 47.32	57 19.48	+0.20	0.0068467	403	+13	−2
	24	205	8 5 18.90	120 41 6.80	57 20.03	+0.07	0.0068064	428	+14	+2
	25	206	8 9 15.46	121 38 26.83	57 20.55	−0.07	0.0067636	453	+10	+6
	26	207	8 13 12.01	122 35 47.38	57 21.04	−0.20	0.0067183	477	+ 4	+8
	27	208	8 17 8.57	123 33 8.42	57 21.51	−0.33	0.0066706	500	− 3	+9
	28	209	8 21 5.13	124 30 29.93	57 21.98	−0.45	0.0066206	520	−11	+8
	29	210	8 25 1.69	125 27 51.91	57 22.48	−0.56	0.0065686	540	−17	+5
	30	211	8 28 58.24	126 25 14.39	57 23.00	−0.64	0.0065146	558	−18	+1
	31	212	8 32 54.80	127 22 37.39	57 23.56	−0.68	0.0064588	574	−16	−3
Aug.	1	213	8 36 51.36	128 20 0.95	57 24.18	−0.69	0.0064014	590	−10	−6
	2	214	8 40 47.91	129 17 25.13	57 24.88	−0.66	0.0063424	603	− 2	−8
	3	215	8 44 44.47	130 14 50.01	57 25.66	−0.61	0.0062821	616	+ 9	−9
	4	216	8 48 41.03	131 12 15.67	57 26.53	−0.53	0.0062205	628	+18	−7
	5	217	8 52 37.58	132 9 42.20	57 27.50	−0.42	0.0061577	640	+25	−4
	6	218	8 56 34.14	133 7 9.70	57 28.55	−0.30	0.0060937	652	+27	0
	7	219	9 0 30.70	134 4 38.25	57 29.69	−0.17	0.0060285	664	+25	+4
	8	220	9 4 27.25	135 2 7.94	57 30.91	−0.03	0.0059621	676	+18	+7
	9	221	9 8 23.81	135 59 38.85	57 32.20	+0.10	0.0058945	689	+ 9	+9
	10	222	9 12 20.36	136 57 11.05	57 33.55	+0.21	0.0058256	702	− 1	+9
	11	223	9 16 16.92	137 54 44.60	57 34.95	+0.31	0.0057554	717	−12	+7
	12	224	9 20 13.48	138 52 19.55	57 36.38	+0.39	0.0056837	732	−19	+4
	13	225	9 24 10.03	139 49 55.93	57 37.86	+0.45	0.0056105	747	−22	0
	14	226	9 28 6.59	140 47 33.79	57 39.36	+0.49	0.0055358	764	−21	−4
	15	227	9 32 3.14	141 45 13.15	57 40.89	+0.50	0.0054594	781	−17	−7
	16	228	9 35 59.70	142 42 54.04	57 42.43	+0.48	0.0053813	799	− 9	−9
	17	229	9 39 56.25	143 40 36.47		+0.43	0.0053014		0	−8

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Aug.	16	St	+4 17.47	9 40 17.17	3 44.53	+13 56 58.9	18 56.3	130.55	15 47.81
	17	Mo	4 5.44	9 44 1.70	3 44.02	13 38 2.6	19 9.4	130.40	15 47.99
	18	Di	3 52.91	9 47 45.72	3 43.53	13 18 53.2	19 22.2	130.25	15 48.17
	19	Mi	3 39.89	9 51 29.25	3 43.05	12 59 31.0	19 34.6	130.10	15 48.35
	20	Do	3 26.38	9 55 12.30	3 42.56	12 39 56.4	19 46.7	129.96	15 48.54
	21	Fr	+3 12.39	9 58 54.86	3 42.09	+12 20 9.7	19 58.4	129.82	15 48.73
	22	Sa	2 57.93	10 2 36.95	3 41.63	12 0 11.3	20 9.8	129.68	15 48.93
	23	St	2 43.00	10 6 18.58	3 41.18	11 40 1.5	20 20.9	129.55	15 49.13
	24	Mo	2 27.62	10 9 59.76	3 40.73	11 19 40.6	20 31.6	129.42	15 49.33
	25	Di	2 11.80	10 13 40.49	3 40.30	10 59 9.0	20 41.9	129.30	15 49.54
	26	Mi	+1 55.54	10 17 20.79	3 39.88	+10 38 27.1	20 51.9	129.18	15 49.76
	27	Do	1 38.86	10 21 0.67	3 39.47	10 17 35.2	21 1.6	129.06	15 49.97
	28	Fr	1 21.78	10 24 40.14	3 39.08	9 56 33.6	21 11.0	128.95	15 50.19
	29	Sa	1 4.31	10 28 19.22	3 38.70	9 35 22.6	21 20.0	128.84	15 50.42
	30	St	0 46.46	10 31 57.92	3 38.35	9 14 2.6	21 28.7	128.74	15 50.64
	31	Mo	+0 28.25	10 35 36.27	3 38.01	+ 8 52 33.9	21 37.1	128.64	15 50.87
Sept.	1	Di	+0 9.71	10 39 14.28	3 37.69	8 30 56.8	21 45.3	128.55	15 51.10
	2	Mi	−0 9.15	10 42 51.97	3 37.40	8 9 11.5	21 53.1	128.46	15 51.33
	3	Do	0 28.31	10 46 29.37	3 37.12	7 47 18.4	22 0.6	128.38	15 51.56
	4	Fr	0 47.75	10 50 6.49	3 36.86	7 25 17.8	22 7.8	128.30	15 51.80
	5	Sa	−1 7.45	10 53 43.35	3 36.62	+ 7 3 10.0	22 14.8	128.23	15 52.03
	6	St	1 27.38	10 57 19.97	3 36.41	6 40 55.2	22 21.4	128.16	15 52.27
	7	Mo	1 47.52	11 0 56.38	3 36.22	6 18 33.8	22 27.7	128.10	15 52.51
	8	Di	2 7.86	11 4 32.60	3 36.04	5 56 6.1	22 33.7	128.04	15 52.75
	9	Mi	2 28.37	11 8 8.64	3 35.89	5 33 32.4	22 39.5	127.99	15 52.99
	10	Do	−2 49.03	11 11 44.53	3 35.76	+ 5 10 52.9	22 44.8	127.94	15 53.23
	11	Fr	3 9.82	11 15 20.29	3 35.65	4 48 8.1	22 49.9	127.90	15 53.47
	12	Sa	3 30.73	11 18 55.94	3 35.55	4 25 18.2	22 54.7	127.86	15 53.71
	13	St	3 51.73	11 22 31.49	3 35.48	4 2 23.5	22 59.1	127.83	15 53.96
	14	Mo	4 12.81	11 26 6.97	3 35.42	3 39 24.4	23 3.2	127.80	15 54.21
	15	Di	−4 33.94	11 29 42.39	3 35.39	+ 3 16 21.2	23 6.9	127.78	15 54.46
	16	Mi	4 55.10	11 33 17.78	3 35.38	2 53 14.3	23 10.3	127.77	15 54.71
	17	Do	5 16.28	11 36 53.16	3 35.38	2 30 4.0	23 13.4	127.77	15 54.97
	18	Fr	5 37.45	11 40 28.54	3 35.39	2 6 50.6	23 16.1	127.77	15 55.23
	19	Sa	5 58.61	11 44 3.93	3 35.42	1 43 34.5	23 18.3	127.78	15 55.49
	20	St	−6 19.74	11 47 39.35	3 35.47	+ 1 20 16.2	23 20.2	127.79	15 55.75
	21	Mo	6 40.82	11 51 14.82	3 35.54	0 56 56.0	23 21.8	127.81	15 56.02
	22	Di	7 1.84	11 54 50.36	3 35.62	0 33 34.2	23 23.0	127.83	15 56.29
	23	Mi	7 22.78	11 58 25.98	3 35.72	+ 0 10 11.2	23 23.8	127.86	15 56.56
	24	Do	7 43.61	12 2 1.70		− 0 13 12.6		127.90	15 56.83

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 $d\lambda$	$d\varepsilon$
		h m s	° ′ ″	′ ″	″				
Aug. 16	228	9 35 59.70	142 42 54.04	57 42.43	+0.48	0.0053813	799	− 9	−9
17	229	9 39 56.25	143 40 36.47	57 43.97	+0.43	0.0053014	818	0	−8
18	230	9 43 52.81	144 38 20.44	57 45.51	+0.35	0.0052196	838	+ 7	−6
19	231	9 47 49.36	145 36 5.95	57 47.03	+0.25	0.0051358	859	+12	−3
20	232	9 51 45.92	146 33 52.98	57 48.50	+0.13	0.0050499	880	+14	+1
21	233	9 55 42.47	147 31 41.48	57 49.92	0.00	0.0049619	900	+11	+5
22	234	9 59 39.03	148 29 31.40	57 51.29	−0.14	0.0048719	922	+ 4	+8
23	235	10 3 35.58	149 27 22.69	57 52.61	−0.28	0.0047797	942	− 2	+9
24	236	10 7 32.14	150 25 15.30	57 53.90	−0.41	0.0046855	960	− 9	+8
25	237	10 11 28.69	151 23 9.20	57 55.15	−0.52	0.0045895	978	−16	+6
26	238	10 15 25.25	152 21 4.35	57 56.39	−0.60	0.0044917	994	−19	+2
27	239	10 19 21.80	153 19 0.74	57 57.65	−0.65	0.0043923	1008	−18	−2
28	240	10 23 18.36	154 16 58.39	57 58.92	−0.67	0.0042915	1020	−12	−5
29	241	10 27 14.91	155 14 57.31	58 0.23	−0.66	0.0041895	1031	− 4	−8
30	242	10 31 11.47	156 12 57.54	58 1.58	−0.61	0.0040864	1041	+ 6	−9
31	243	10 35 8.02	157 10 59.12	58 3.00	−0.53	0.0039823	1048	+15	−8
Sept. 1	244	10 39 4.57	158 9 2.12	58 4.48	−0.42	0.0038775	1056	+23	−5
2	245	10 43 1.13	159 7 6.60	58 6.04	−0.30	0.0037719	1062	+27	−2
3	246	10 46 57.68	160 5 12.64	58 7.68	−0.18	0.0036657	1067	+26	+2
4	247	10 50 54.24	161 3 20.32	58 9.39	−0.05	0.0035590	1072	+21	+6
5	248	10 54 50.79	162 1 29.71	58 11.17	+0.09	0.0034518	1077	+13	+8
6	249	10 58 47.35	162 59 40.88	58 13.03	+0.21	0.0033441	1083	+ 2	+9
7	250	11 2 43.90	163 57 53.91	58 14.94	+0.32	0.0032358	1088	− 8	+8
8	251	11 6 40.45	164 56 8.85	58 16.90	+0.41	0.0031270	1094	−17	+5
9	252	11 10 37.01	165 54 25.75	58 18.90	+0.48	0.0030176	1100	−21	+1
10	253	11 14 33.56	166 52 44.65	58 20.95	+0.53	0.0029076	1107	−22	−3
11	254	11 18 30.11	167 51 5.60	58 23.04	+0.55	0.0027969	1114	−18	−6
12	255	11 22 26.67	168 49 28.64	58 25.16	+0.54	0.0026855	1122	−11	−8
13	256	11 26 23.22	169 47 53.80	58 27.29	+0.50	0.0025733	1131	− 3	−9
14	257	11 30 19.78	170 46 21.09	58 29.43	+0.44	0.0024602	1141	+ 4	−7
15	258	11 34 16.33	171 44 50.52	58 31.57	+0.35	0.0023461	1151	+11	−4
16	259	11 38 12.88	172 43 22.09	58 33.70	+0.23	0.0022310	1162	+13	0
17	260	11 42 9.44	173 41 55.79	58 35.79	+0.10	0.0021148	1175	+13	+4
18	261	11 46 5.99	174 40 31.58	58 37.82	−0.04	0.0019973	1188	+ 8	+7
19	262	11 50 2.54	175 39 9.40	58 39.79	−0.17	0.0018785	1200	+ 1	+9
20	263	11 53 59.10	176 37 49.19	58 41.69	−0.29	0.0017585	1213	− 7	+9
21	264	11 57 55.65	177 36 30.88	58 43.53	−0.40	0.0016372	1224	−15	+7
22	265	12 1 52.20	178 35 14.41	58 45.30	−0.49	0.0015148	1235	−19	+4
23	266	12 5 48.76	179 33 59.71	58 47.03	−0.54	0.0013913	1245	−19	0
24	267	12 9 45.31	180 32 46.74		−0.56	0.0012668		−15	−4

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M.Zt. — W.Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ' "	' "		' "
Sept. 23	Mi	— 7 22.78	11 58 25.98	3 35.72	+ 0 10 11.2	23 23.8	127.86	15 56.56
24	Do	7 43.61	12 2 1.70	3 35.83	— 0 13 12.6	23 24.3	127.90	15 56.83
25	Fr	8 4.33	12 5 37.53	3 35.97	0 36 36.9	23 24.3	127.94	15 57.11
26	Sa	8 24.92	12 9 13.50	3 36.12	1 0 1.2	23 24.1	127.99	15 57.39
27	St	8 45.35	12 12 49.62	3 36.30	1 23 25.3	23 23.5	128.05	15 57.67
28	Mo	— 9 5.60	12 16 25.92	3 36.50	— 1 46 48.8	23 22.6	128.11	15 57.95
29	Di	9 25.66	12 20 2.42	3 36.72	2 10 11.4	23 21.4	128.18	15 58.22
30	Mi	9 45.49	12 23 39.14	3 36.97	2 33 32.8	23 19.8	128.25	15 58.50
Okt. 1	Do	10 5.07	12 27 16.11	3 37.24	2 56 52.6	23 17.9	128.33	15 58.78
2	Fr	10 24.39	12 30 53.35	3 37.52	3 20 10.5	23 15.7	128.41	15 59.06
3	Sa	—10 43.43	12 34 30.87	3 37.83	— 3 43 26.2	23 13.1	128.50	15 59.33
4	St	11 2.15	12 38 8.70	3 38.17	4 6 39.3	23 10.2	128.60	15 59.61
5	Mo	11 20.53	12 41 46.87	3 38.54	4 29 49.5	23 7.0	128.70	15 59.89
6	Di	11 38.55	12 45 25.41	3 38.92	4 52 56.5	23 3.5	128.81	16 0.16
7	Mi	11 56.18	12 49 4.33	3 39.32	5 16 0.0	22 59.6	128.92	16 0.43
8	Do	—12 13.41	12 52 43.65	3 39.75	— 5 38 59.6	22 55.3	129.04	16 0.71
9	Fr	12 30.22	12 56 23.40	3 40.20	6 1 54.9	22 50.7	129.17	16 0.98
10	Sa	12 46.58	13 0 3.60	3 40.67	6 24 45.6	22 45.7	129.30	16 1.25
11	St	13 2.46	13 3 44.27	3 41.16	6 47 31.3	22 40.3	129.44	16 1.52
12	Mo	13 17.85	13 7 25.43	3 41.67	7 10 11.6	22 34.6	129.58	16 1.79
13	Di	—13 32.73	13 11 7.10	3 42.20	— 7 32 46.2	22 28.5	129.73	16 2.06
14	Mi	13 47.09	13 14 49.30	3 42.75	7 55 14.7	22 22.0	129.88	16 2.32
15	Do	14 0.90	13 18 32.05	3 43.31	8 17 36.7	22 15.2	130.04	16 2.59
16	Fr	14 14.14	13 22 15.36	3 43.89	8 39 51.9	22 7.9	130.20	16 2.86
17	Sa	14 26.80	13 25 59.25	3 44.48	9 1 59.8	22 0.1	130.37	16 3.13
18	St	—14 38.87	13 29 43.73	3 45.09	— 9 23 59.9	21 52.0	130.54	16 3.40
19	Mo	14 50.33	13 33 28.82	3 45.71	9 45 51.9	21 43.5	130.72	16 3.67
20	Di	15 1.18	13 37 14.53	3 46.34	10 7 35.4	21 34.5	130.90	16 3.94
21	Mi	15 11.40	13 41 0.87	3 46.98	10 29 9.9	21 25.0	131.09	16 4.21
22	Do	15 20.98	13 44 47.85	3 47.63	10 50 34.9	21 15.2	131.28	16 4.49
23	Fr	—15 29.90	13 48 35.48	3 48.29	—11 11 50.1	21 5.0	131.48	16 4.76
24	Sa	15 38.16	13 52 23.77	3 48.97	11 32 55.1	20 54.4	131.68	16 5.03
25	St	15 45.74	13 56 12.74	3 49.67	11 53 49.5	20 43.3	131.88	16 5.30
26	Mo	15 52.63	14 0 2.41	3 50.37	12 14 32.8	20 32.0	132.09	16 5.57
27	Di	15 58.82	14 3 52.78	3 51.09	12 35 4.8	20 20.2	132.30	16 5.83
28	Mi	—16 4.29	14 7 43.87	3 51.82	—12 55 25.0	20 8.0	132.51	16 6.10
29	Do	16 9.02	14 11 35.69	3 52.57	13 15 33.0	19 55.4	132.73	16 6.36
30	Fr	16 13.00	14 15 28.26	3 53.33	13 35 28.4	19 42.5	132.95	16 6.62
31	Sa	16 16.23	14 19 21.59	3 54.11	13 55 10.9	19 29.2	133.17	16 6.88
Nov. 1	St	16 18.68	14 23 15.70		14 14 40.1		133.40	16 7.13

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 $d\lambda$	$d\varepsilon$
			h m s	° ′ ″	′ ″	″				
Sept.	23	266	12 5 48.76	179 33 59.71	58 47.03	−0.54	0.0013913	1245	−19	0
	24	267	12 9 45.31	180 32 46.74	58 48.74	−0.56	0.0012668	1252	−15	−4
	25	268	12 13 41.86	181 31 35.48	58 50.42	−0.56	0.0011416	1257	−8	−7
	26	269	12 17 38.42	182 30 25.90	58 52.11	−0.53	0.0010159	1261	+2	−9
	27	270	12 21 34.97	183 29 18.01	58 53.82	−0.47	0.0008898	1263	+12	−8
	28	271	12 25 31.53	184 28 11.83	58 55.57	−0.37	0.0007635	1264	+21	−6
	29	272	12 29 28.08	185 27 7.40	58 57.36	−0.25	0.0006371	1263	+26	−3
	30	273	12 33 24.63	186 26 4.76	58 59.20	−0.12	0.0005108	1261	+27	+1
Okt.	1	274	12 37 21.19	187 25 3.96	59 1.08	+0.01	0.0003847	1258	+23	+5
	2	275	12 41 17.74	188 24 5.04	59 3.02	+0.14	0.0002589	1254	+16	+8
	3	276	12 45 14.29	189 23 8.06	59 5.02	+0.27	0.0001335	1250	+6	+9
	4	277	12 49 10.85	190 22 13.08	59 7.08	+0.39	0.0000085	1245	−4	+8
	5	278	12 53 7.40	191 21 20.16	59 9.18	+0.49	9.9998840	1240	−14	+6
	6	279	12 57 3.95	192 20 29.34	59 11.33	+0.56	9.9997600	1236	−20	+2
	7	280	13 1 0.51	193 19 40.67	59 13.51	+0.61	9.9996364	1231	−22	−2
	8	281	13 4 57.06	194 18 54.18	59 15.74	+0.63	9.9995133	1226	−19	−5
	9	282	13 8 53.62	195 18 9.92	59 18.00	+0.63	9.9993907	1222	−13	−8
	10	283	13 12 50.17	196 17 27.92	59 20.29	+0.60	9.9992685	1219	−5	−9
	11	284	13 16 46.72	197 16 48.21	59 22.60	+0.54	9.9991466	1216	+3	−8
	12	285	13 20 43.28	198 16 10.81	59 24.93	+0.46	9.9990250	1214	+9	−5
	13	286	13 24 39.83	199 15 35.74	59 27.26	+0.36	9.9989036	1213	+13	−2
	14	287	13 28 36.39	200 15 3.00	59 29.58	+0.24	9.9987823	1212	+14	+2
	15	288	13 32 32.94	201 14 32.58	59 31.85	+0.12	9.9986611	1213	+9	+6
	16	289	13 36 29.50	202 14 4.43	59 34.07	−0.01	9.9985398	1215	+3	+8
	17	290	13 40 26.05	203 13 38.50	59 36.23	−0.14	9.9984183	1216	−5	+9
	18	291	13 44 22.60	204 13 14.73	59 38.31	−0.25	9.9982967	1219	−12	+8
	19	292	13 48 19.16	205 12 53.04	59 40.31	−0.34	9.9981748	1221	−18	+5
	20	293	13 52 15.71	206 12 33.35	59 42.21	−0.40	9.9980527	1222	−19	+1
	21	294	13 56 12.27	207 12 15.56	59 44.03	−0.43	9.9979305	1223	−17	−3
	22	295	14 0 8.82	208 11 59.59	59 45.78	−0.43	9.9978082	1222	−10	−6
	23	296	14 4 5.38	209 11 45.37	59 47.48	−0.40	9.9976860	1219	−1	−8
	24	297	14 8 1.93	210 11 32.85	59 49.15	−0.34	9.9975641	1215	+9	−9
	25	298	14 11 58.49	211 11 22.00	59 50.82	−0.25	9.9974426	1208	+18	−7
	26	299	14 15 55.04	212 11 12.82	59 52.48	−0.14	9.9973218	1200	+25	−4
	27	300	14 19 51.60	213 11 5.30	59 54.14	−0.02	9.9972018	1191	+27	0
	28	301	14 23 48.15	214 10 59.44	59 55.81	+0.11	9.9970827	1180	+25	+4
	29	302	14 27 44.71	215 10 55.25	59 57.50	+0.24	9.9969647	1168	+19	+7
	30	303	14 31 41.26	216 10 52.75	59 59.23	+0.37	9.9968479	1154	+10	+9
	31	304	14 35 37.82	217 10 51.98	60 0.99	+0.49	9.9967325	1140	−1	+9
Nov.	1	305	14 39 34.37	218 10 52.97		+0.59	9.9966185		−11	+7

Mittlerer Berliner Mittag.

Monats- und Wochentag			Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
			m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Okt.	31	Sa	—16 16.23	14 19 21.59	3 54.11	—13 55 10.9	19 29.2	133.17	16 6.88
Nov.	1	St	16 18.68	14 23 15.70	3 54.89	14 14 40.1	19 15.5	133.40	16 7.13
	2	Mo	16 20.34	14 27 10.59	3 55.69	14 33 55.6	19 1.4	133.63	16 7.38
	3	Di	16 21.20	14 31 6.28	3 56.51	14 52 57.0	18 46.9	133.86	16 7.63
	4	Mi	16 21.25	14 35 2.79	3 57.33	15 11 43.9	18 32.0	134.09	16 7.87
	5	Do	—16 20.48	14 39 0.12	3 58.15	—15 30 15.9	18 16.8	134.33	16 8.11
	6	Fr	16 18.88	14 42 58.27	3 59.00	15 48 32.7	18 1.1	134.56	16 8.35
	7	Sa	16 16.44	14 46 57.27	3 59.85	16 6 33.8	17 45.0	134.80	16 8.58
	8	St	16 13.15	14 50 57.12	4 0.71	16 24 18.8	17 28.6	135.03	16 8.81
	9	Mo	16 9.00	14 54 57.83	4 1.57	16 41 47.4	17 11.7	135.27	16 9.04
	10	Di	—16 3.99	14 58 59.40	4 2.43	—16 58 59.1	16 54.4	135.51	16 9.27
	11	Mi	15 58.11	15 3 1.83	4 3.31	17 15 53.5	16 36.8	135.75	16 9.49
	12	Do	15 51.36	15 7 5.14	4 4.18	17 32 30.3	16 18.7	135.99	16 9.70
	13	Fr	15 43.74	15 11 9.32	4 5.04	17 48 49.0	16 0.2	136.23	16 9.92
	14	Sa	15 35.25	15 15 14.36	4 5.90	18 4 49.2	15 41.2	136.47	16 10.13
	15	St	—15 25.90	15 19 20.26	4 6.76	—18 20 30.4	15 21.9	136.70	16 10.35
	16	Mo	15 15.70	15 23 27.02	4 7.62	18 35 52.3	15 2.1	136.94	16 10.56
	17	Di	15 4.64	15 27 34.64	4 8.46	18 50 54.4	14 42.0	137.17	16 10.76
	18	Mi	14 52.73	15 31 43.10	4 9.29	19 5 36.4	14 21.4	137.40	16 10.97
	19	Do	14 39.99	15 35 52.39	4 10.11	19 19 57.8	14 0.4	137.63	16 11.17
	20	Fr	—14 26.44	15 40 2.50	4 10.91	—19 33 58.2	13 39.1	137.86	16 11.38
	21	Sa	14 12.09	15 44 13.41	4 11.70	19 47 37.3	13 17.4	138.08	16 11.58
	22	St	13 56.95	15 48 25.11	4 12.48	20 0 54.7	12 55.4	138.30	16 11.78
	23	Mo	13 41.03	15 52 37.59	4 13.25	20 13 50.1	12 33.0	138.52	16 11.97
	24	Di	13 24.34	15 56 50.84	4 14.00	20 26 23.1	12 10.2	138.74	16 12.16
	25	Mi	—13 6.90	16 1 4.84	4 14.75	—20 38 33.3	11 47.1	138.95	16 12.35
	26	Do	12 48.71	16 5 19.59	4 15.47	20 50 20.4	11 23.7	139.16	16 12.53
	27	Fr	12 29.79	16 9 35.06	4 16.19	21 1 44.1	11 0.1	139.36	16 12.71
	28	Sa	12 10.16	16 13 51.25	4 16.89	21 12 44.2	10 36.1	139.56	16 12.89
	29	St	11 49.83	16 18 8.14	4 17.58	21 23 20.3	10 11.7	139.75	16 13.06
	30	Mo	—11 28.81	16 22 25.72	4 18.25	—21 33 32.0	9 47.1	139.94	16 13.22
Dez.	1	Di	11 7.12	16 26 43.97	4 18.90	21 43 19.1	9 22.3	140.12	16 13.38
	2	Mi	10 44.78	16 31 2.87	4 19.53	21 52 41.4	8 57.1	140.30	16 13.53
	3	Do	10 21.80	16 35 22.40	4 20.15	22 1 38.5	8 31.7	140.47	16 13.68
	4	Fr	9 58.21	16 39 42.55	4 20.74	22 10 10.2	8 6.0	140.63	16 13.83
	5	Sa	— 9 34.03	16 44 3.29	4 21.32	—22 18 16.2	7 40.1	140.79	16 13.97
	6	St	9 9.27	16 48 24.61	4 21.87	22 25 56.3	7 14.0	140.94	16 14.10
	7	Mo	8 43.96	16 52 46.48	4 22.40	22 33 10.3	6 47.5	141.08	16 14.22
	8	Di	8 18.12	16 57 8.88	4 22.91	22 39 57.8	6 20.9	141.21	16 14.34
	9	Mi	7 51.77	17 1 31.79		22 46 18.7		141.34	16 14.46

Mittlerer Berliner Mittag.

Monats- und Jahrestag			Sternzeit h m s	Mittleres Äqu. 1914.0 Länge ° ′ ″	Diff. ′ ″	Breite ″	Lg. Rad. v.	Diff.	Nut. ☾ in 0″.01 dλ	dε
Okt.	31	304	14 35 37.82	217 10 51.98	60 0.99	+0.49	9.9967325	1140	−1	+9
Nov.	1	305	14 39 34.37	218 10 52.97	60 2.79	+0.59	9.9966185	1126	−11	+7
	2	306	14 43 30.93	219 10 55.76	60 4.62	+0.66	9.9965059	1110	−18	+4
	3	307	14 47 27.49	220 11 0.38	60 6.47	+0.71	9.9963949	1094	−21	0
	4	308	14 51 24.04	221 11 6.85	60 8.36	+0.74	9.9962855	1080	−20	−4
	5	309	14 55 20.60	222 11 15.21	60 10.28	+0.74	9.9961775	1064	−16	−7
	6	310	14 59 17.15	223 11 25.49	60 12.23	+0.72	9.9960711	1048	−8	−9
	7	311	15 3 13.71	224 11 37.72	60 14.20	+0.68	9.9959663	1032	0	−8
	8	312	15 7 10.27	225 11 51.92	60 16.20	+0.60	9.9958631	1018	+8	−6
	9	313	15 11 6.82	226 12 8.12	60 18.20	+0.50	9.9957613	1003	+12	−3
	10	314	15 15 3.38	227 12 26.32	60 20.20	+0.39	9.9956610	990	+13	+1
	11	315	15 18 59.94	228 12 46.52	60 22.19	+0.27	9.9955620	978	+11	+5
	12	316	15 22 56.49	229 13 8.71	60 24.15	+0.14	9.9954642	967	+4	+8
	13	317	15 26 53.05	230 13 32.86	60 26.06	+0.02	9.9953675	957	−2	+9
	14	318	15 30 49.61	231 13 58.92	60 27.91	−0.09	9.9952718	947	−11	+8
	15	319	15 34 46.16	232 14 26.83	60 29.68	−0.18	9.9951771	939	−17	+6
	16	320	15 38 42.72	233 14 56.51	60 31.36	−0.24	9.9950832	931	−20	+2
	17	321	15 42 39.28	234 15 27.87	60 32.93	−0.27	9.9949901	923	−19	−2
	18	322	15 46 35.83	235 16 0.80	60 34.40	−0.28	9.9948978	915	−13	−5
	19	323	15 50 32.39	236 16 35.20	60 35.77	−0.25	9.9948063	906	−5	−8
	20	324	15 54 28.95	237 17 10.97	60 37.06	−0.19	9.9947157	895	+5	−9
	21	325	15 58 25.51	238 17 48.03	60 38.26	−0.10	9.9946262	884	+15	−8
	22	326	16 2 22.06	239 18 26.29	60 39.40	+0.01	9.9945378	870	+23	−5
	23	327	16 6 18.62	240 19 5.69	60 40.51	+0.13	9.9944508	855	+27	−2
	24	328	16 10 15.18	241 19 46.20	60 41.59	+0.26	9.9943653	838	+27	+2
	25	329	16 14 11.74	242 20 27.79	60 42.67	+0.39	9.9942815	819	+21	+6
	26	330	16 18 8.30	243 21 10.46	60 43.74	+0.52	9.9941996	800	+13	+8
	27	331	16 22 4.85	244 21 54.20	60 44.80	+0.63	9.9941196	780	+2	+9
	28	332	16 26 1.41	245 22 39.00	60 45.86	+0.73	9.9940416	758	−7	+8
	29	333	16 29 57.97	246 23 24.86	60 46.93	+0.81	9.9939658	736	−16	+5
	30	334	16 33 54.53	247 24 11.79	60 48.01	+0.87	9.9938922	712	−20	+1
Dez.	1	335	16 37 51.09	248 24 59.80	60 49.11	+0.91	9.9938210	688	−21	−3
	2	336	16 41 47.64	249 25 48.91	60 50.24	+0.92	9.9937522	664	−17	−6
	3	337	16 45 44.20	250 26 39.15	60 51.39	+0.90	9.9936858	640	−10	−8
	4	338	16 49 40.76	251 27 30.54	60 52.55	+0.85	9.9936218	615	−2	−9
	5	339	16 53 37.32	252 28 23.09	60 53.72	+0.78	9.9935603	590	+6	−7
	6	340	16 57 33.88	253 29 16.81	60 54.91	+0.68	9.9935013	566	+10	−4
	7	341	17 1 30.44	254 30 11.72	60 56.11	+0.58	9.9934447	543	+13	0
	8	342	17 5 27.00	255 31 7.83	60 57.32	+0.46	9.9933904	521	+10	+4
	9	343	17 9 23.55	256 32 5.15		+0.33	9.9933383		+7	+7

Mittlerer Berliner Mittag.

Monats- und Wochentag		Zeitgleichung M. Zt. — W. Zt.	Scheinb. AR.	Diff.	Scheinb. Dekl.	Diff.	Durchg.-Dauer St.-Zt.	Halbm.
		m s	h m s	m s	° ′ ″	′ ″	s	′ ″
Dez. 8	Di	−8 18.12	16 57 8.88	4 22.91	−22 39 57.8	6 20.9	141.21	16 14.34
9	Mi	7 51.77	17 1 31.79	4 23.39	22 46 18.7	5 54.1	141.34	16 14.46
10	Do	7 24.93	17 5 55.18	4 23.84	22 52 12.8	5 27.1	141.46	16 14.57
11	Fr	6 57.65	17 10 19.02	4 24.26	22 57 39.9	4 59.8	141.57	16 14.68
12	Sa	6 29.95	17 14 43.28	4 24.65	23 2 39.7	4 32.3	141.67	16 14.78
13	St	−6 1.86	17 19 7.93	4 25.01	−23 7 12.0	4 4.8	141.77	16 14.88
14	Mo	5 33.41	17 23 32.94	4 25.34	23 11 16.8	3 37.1	141.85	16 14.98
15	Di	5 4.63	17 27 58.28	4 25.62	23 14 53.9	3 9.2	141.93	16 15.07
16	Mi	4 35.57	17 32 23.90	4 25.87	23 18 3.1	2 41.2	142.00	16 15.16
17	Do	4 6.26	17 36 49.77	4 26.07	23 20 44.3	2 13.1	142.06	16 15.25
18	Fr	−3 36.75	17 41 15.84	4 26.24	−23 22 57.4	1 45.0	142.11	16 15.33
19	Sa	3 7.07	17 45 42.08	4 26.37	23 24 42.4	1 16.7	142.16	16 15.41
20	St	2 37.26	17 50 8.45	4 26.46	23 25 59.1	0 48.5	142.20	16 15.48
21	Mo	2 7.35	17 54 34.91	4 26.52	23 26 47.6	0 20.2	142.22	16 15.55
22	Di	1 37.39	17 59 1.43	4 26.54	23 27 7.8	0 8.1	142.23	16 15.62
23	Mi	−1 7.41	18 3 27.97	4 26.52	−23 26 59.7	0 36.3	142.24	16 15.68
24	Do	0 37.45	18 7 54.49	4 26.48	23 26 23.4	1 4.6	142.24	16 15.74
25	Fr	−0 7.53	18 12 20.97	4 26.39	23 25 18.8	1 32.8	142.23	16 15.79
26	Sa	+0 22.30	18 16 47.36	4 26.27	23 23 46.0	2 1.0	142.21	16 15.84
27	St	0 52.01	18 21 13.63	4 26.12	23 21 45.0	2 29.1	142.18	16 15.88
28	Mo	+1 21.57	18 25 39.75	4 25.95	−23 19 15.9	2 57.2	142.14	16 15.91
29	Di	1 50.96	18 30 5.70	4 25.74	23 16 18.7	3 25.1	142.09	16 15.94
30	Mi	2 20.15	18 34 31.44	4 25.50	23 12 53.6	3 53.0	142.03	16 15.97
31	Do	2 49.09	18 38 56.94	4 25.23	23 9 0.6	4 20.7	141.96	16 15.99
32	Fr	3 17.76	18 43 22.17	4 24.93	23 4 39.9	4 48.3	141.88	16 16.00
33	Sa	+3 46.13	18 47 47.10		−22 59 51.6		141.80	16 16.00

Frühlingsäquinoktium	März	21	0h
Sommersolstitium	Juni	21	20
Herbstäquinoktium	Sept.	23	11
Wintersolstitium	Dez.	22	6

Mittlerer Berliner Mittag.

Monats- und Jahrestag		Sternzeit	Mittleres Äqu. 1914.0 Länge	Diff.	Breite	Lg. Rad. v.	Diff.	Nut. ☾ in 0".01 dλ	dε
		h m s	° ′ ″	′ ″	″				
Dez. 8	342	17 5 27.00	255 31 7.83	60 57.32	+0.46	9.9933904	521	+10	+4
9	343	17 9 23.55	256 32 5.15	60 58.53	+0.33	9.9933383	499	+ 7	+7
10	344	17 13 20.11	257 33 3.68	60 59.71	+0.20	9.9932884	478	− 1	+9
11	345	17 17 16.67	258 34 3.39	61 0.85	+0.08	9.9932406	459	− 9	+9
12	346	17 21 13.23	259 35 4.24	61 1.94	−0.01	9.9931947	441	−16	+7
13	347	17 25 9.79	260 36 6.18	61 2.97	−0.08	9.9931506	425	−20	+4
14	348	17 29 6.35	261 37 9.15	61 3.90	−0.11	9.9931081	409	−20	0
15	349	17 33 2.91	262 38 13.05	61 4.73	−0.12	9.9930672	394	−16	−4
16	350	17 36 59.47	263 39 17.78	61 5.46	−0.10	9.9930278	379	− 9	−7
17	351	17 40 56.03	264 40 23.24	61 6.07	−0.05	9.9929899	364	+ 2	−9
18	352	17 44 52.59	265 41 29.31	61 6.55	+0.03	9.9929535	349	+12	−8
19	353	17 48 49.15	266 42 35.86	61 6.93	+0.14	9.9929186	333	+21	−6
20	354	17 52 45.70	267 43 42.79	61 7.23	+0.27	9.9928853	316	+26	−3
21	355	17 56 42.26	268 44 50.02	61 7.45	+0.40	9.9928537	297	+27	+1
22	356	18 0 38.82	269 45 57.47	61 7.63	+0.53	9.9928240	277	+23	+5
23	357	18 4 35.38	270 47 5.10	61 7.77	+0.66	9.9927963	256	+16	+8
24	358	18 8 31.94	271 48 12.87	61 7.87	+0.78	9.9927707	234	+ 6	+9
25	359	18 12 28.50	272 49 20.74	61 7.94	+0.88	9.9927473	210	− 4	+8
26	360	18 16 25.06	273 50 28.68	61 7.98	+0.96	9.9927263	185	−13	+6
27	361	18 20 21.62	274 51 36.66	61 8.01	+1.01	9.9927078	160	−19	+2
28	362	18 24 18.18	275 52 44.67	61 8.04	+1.04	9.9926918	133	−21	−2
29	363	18 28 14.74	276 53 52.71	61 8.07	+1.04	9.9926785	106	−18	−5
30	364	18 32 11.29	277 55 0.78	61 8.11	+1.02	9.9926679	79	−13	−8
31	365	18 36 7.85	278 56 8.89	61 8.15	+0.97	9.9926600	51	− 5	−9
32	366	18 40 4.41	279 57 17.04	61 8.21	+0.89	9.9926549	23	+ 3	−8
33	367	18 44 0.97	280 58 25.25		+0.79	9.9926526		+10	−5

Perigäum	Jan.	3	10^h
Apogäum	Juli	2	12

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			—			—		
Jan. 0.0	0.157 2406	86285		0.890 4594	13251		0.386 2691	5751	
0.5	0.165 8691	86153	9447	0.889 1343	13945	— 1479	0.385 6940	6053	— 642
1.0	0.174 4844	86013		0.887 7398	14637		0.385 0887	6353	
1.5	0.183 0857	85868	9416	0.886 2761	15327	1633	0.384 4534	6653	709
2.0	0.191 6725	85715		0.884 7434	16017		0.383 7881	6952	
2.5	0.200 2440	85556	9383	0.883 1417	16704	1786	0.383 0929	7250	776
3.0	0.208 7996	85390		0.881 4713	17391		0.382 3679	7548	
3.5	0.217 3386	85216	9347	0.879 7322	18076	1939	0.381 6131	7844	843
4.0	0.225 8602	85037		0.877 9246	18759		0.380 8287	8140	
4.5	0.234 3639	84851	9308	0.876 0487	19440	2091	0.380 0147	8435	909
	+			—			—		
5.0	0.242 8490	84658		0.874 1047	20119		0.379 1712	8729	
5.5	0.251 3148	84460	— 9266	0.872 0928	20795	— 2242	0.378 2983	9023	— 975
6.0	0.259 7608	84254		0.870 0133	21470		0.377 3960	9315	
6.5	0.268 1862	84043	9221	0.867 8663	22143	2392	0.376 4645	9607	1041
7.0	0.276 5905	83825		0.865 6520	22814		0.375 5038	9897	
7.5	0.284 9730	83601	9173	0.863 3706	23482	2542	0.374 5141	10187	1106
8.0	0.293 3331	83371		0.861 0224	24150		0.373 4954	10476	
8.5	0.301 6702	83135	9123	0.858 6074	24814	2692	0.372 4478	10764	1171
9.0	0.309 9837	82893		0.856 1260	25477		0.371 3714	11051	
9.5	0.318 2730	82645	9070	0.853 5783	26137	2840	0.370 2663	11338	1236
	+			—			—		
10.0	0.326 5375	82390		0.850 9646	26795		0.369 1325	11623	
10.5	0.334 7765	82130	— 9014	0.848 2851	27452	— 2988	0.367 9702	11907	— 1300
11.0	0.342 9895	81864		0.845 5399	28106		0.366 7795	12190	
11.5	0.351 1759	81592	8955	0.842 7293	28758	3134	0.365 5605	12473	1364
12.0	0.359 3351	81315		0.839 8535	29407		0.364 3132	12754	
12.5	0.367 4666	81032	8893	0.836 9128	30055	3280	0.363 0378	13035	1427
13.0	0.375 5698	80742		0.833 9073	30700		0.361 7343	13314	
13.5	0.383 6440	80447	8828	0.830 8373	31343	3424	0.360 4029	13593	1490
14.0	0.391 6887	80145		0.827 7030	31985		0.359 0436	13871	
14.5	0.399 7032	79839	8761	0.824 5045	32623	3568	0.357 6565	14148	1552
	+			—			—		
15.0	0.407 6871	79526		0.821 2422	33260		0.356 2417	14425	
15.5	0.415 6397	79207	— 8691	0.817 9162	33895	— 3710	0.354 7992	14700	— 1614
16.0	0.423 5604	78883		0.814 5267	34527		0.353 3292	14974	
16.5	0.431 4487	78553	8619	0.811 0740	35157	3852	0.351 8318	15247	1676
17.0	0.439 3040	78216		0.807 5583	35785		0.350 3071	15520	
17.5	0.447 1256	77872	8544	0.803 9798	36410	3992	0.348 7551	15791	1737
18.0	0.454 9128	77523		0.800 3388	37033		0.347 1760	16061	
18.5	0.462 6651	77167	8466	0.796 6355	37654	4131	0.345 5699	16331	1797
19.0	0.470 3818			0.792 8701			0.343 9368		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	*X*		Red. auf 1910.0	*Y*		Red. auf 1910.0	*Z*		Red. auf 1910.0
	+			—			—		
Jan. 19.0	0.470 3818	76806		0.792 8701	38272		0.343 9368	16599	
19.5	0.478 0624	76438	—8385	0.789 0429	38887	—4269	0.342 2769	16867	—1857
20.0	0.485 7062	76064		0.785 1542	39499		0.340 5902	17133	
20.5	0.493 3126	75683	8302	0.781 2043	40108	4405	0.338 8769	17397	1916
21.0	0.500 8809	75296		0.777 1935	40715		0.337 1372	17661	
21.5	0.508 4105	74904	8216	0.773 1220	41318	4540	0.335 3711	17923	1975
22.0	0.515 9009	74505		0.768 9902	41919		0.333 5788	18184	
22.5	0.523 3514	74099	8128	0.764 7983	42515	4674	0.331 7604	18443	2033
23.0	0.530 7613	73688		0.760 5468	43109		0.329 9161	18701	
23.5	0.538 1301		8037	0.756 2359		4806	0.328 0460		2090
	+	73270		—	43699		—	18957	
24.0	0.545 4571	72846		0.751 8660	44286		0.326 1503	19212	
24.5	0.552 7417	72417	—7944	0.747 4374	44868	—4937	0.324 2291	19466	—2147
25.0	0.559 9834	71981		0.742 9506	45447		0.322 2825	19717	
25.5	0.567 1815	71539	7848	0.738 4059	46022	5066	0.320 3108	19966	2203
26.0	0.574 3354	71092		0.733 8037	46593		0.318 3142	20214	
26.5	0.581 4446	70639	7750	0.729 1444	47161	5194	0.316 2928	20461	2258
27.0	0.588 5085	70180		0.724 4283	47724		0.314 2467	20705	
27.5	0.595 5265	69715	7649	0.719 6559	48283	5320	0.312 1762	20947	2313
28.0	0.602 4980	69246		0.714 8276	48839		0.310 0815	21188	
28.5	0.609 4226		7546	0.709 9437		5444	0.307 9627		2367
	+	68770		—	49389		—	21428	
29.0	0.616 2996	68289		0.705 0048	49936		0.305 8199	21665	
29.5	0.623 1285	67804	—7440	0.700 0112	50479	—5566	0.303 6534	21900	—2420
30.0	0.629 9089	67314		0.694 9633	51016		0.301 4634	22133	
30.5	0.636 6403	66818	7332	0.689 8617	51549	5687	0.299 2501	22365	2473
31.0	0.643 3221	66316		0.684 7068	52078		0.297 0136	22594	
31.5	0.649 9537	65810	7222	0.679 4990	52602	5806	0.294 7542	22821	2525
Febr. 1.0	0.656 5347	65299		0.674 2388	53122		0.292 4721	23047	
1.5	0.663 0646	64783	7110	0.668 9266	53638	5923	0.290 1674	23270	2576
2.0	0.669 5429	64262		0.663 5628	54149		0.287 8404	23491	
2.5	0.675 9691		6996	0.658 1479		6038	0.285 4913		2626
	+	63738		—	54656		—	23711	
3.0	0.682 3429	63208		0.652 6823	55157		0.283 1202	23928	
3.5	0.688 6637	62674	—6879	0.647 1666	55655	—6151	0.280 7274	24143	—2675
4.0	0.694 9311	62135		0.641 6011	56147		0.278 3131	24356	
4.5	0.701 1446	61592	6760	0.635 9864	56635	6263	0.275 8775	24568	2724
5.0	0.707 3038	61045		0.630 3229	57118		0.273 4207	24777	
5.5	0.713 4083	60493	6639	0.624 6111	57596	6373	0.270 9430	24984	2772
6.0	0.719 4576	59938		0.618 8515	58070		0.268 4446	25189	
6.5	0.725 4514	59379	6516	0.613 0445	58539	6481	0.265 9257	25392	2819
7.0	0.731 3893			0.607 1906			0.263 3865		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			—			—		
Febr. 7.0	0.731 3893			0.607 1906			0.263 3865		
		58816			59003			25593	
7.5	0.737 2709		—6391	0.601 2903		—6587	0.260 8272		—2865
		58248			59463			25792	
8.0	0.743 0957			0.595 3440			0.258 2480		
		57677			59917			25989	
8.5	0.748 8634		6264	0.589 3523		6690	0.255 6491		2910
		57102			60368			26184	
9.0	0.754 5736			0.583 3155			0.253 0307		
		56524			60813			26377	
9.5	0.760 2260		6135	0.577 2342		6791	0.250 3930		2954
		55941			61255			26569	
10.0	0.765 8201			0.571 1087			0.247 7361		
		55356			61692			26758	
10.5	0.771 3557		6005	0.564 9395		6891	0.245 0603		2997
		54766			62124			26945	
11.0	0.776 8323			0.558 7271			0.242 3658		
		54173			62552			27130	
11.5	0.782 2496		5873	0.552 4719		6989	0.239 6528		3039
	+	53575		—	62976		—	27314	
12.0	0.787 6071			0.546 1743			0.236 9214		
		52974			63394			27496	
12.5	0.792 9045		—5739	0.539 8349		—7085	0.234 1718		—3081
		52369			63809			27675	
13.0	0.798 1414			0.533 4540			0.231 4043		
		51761			64219			27853	
13.5	0.803 3175		5603	0.527 0321		7178	0.228 6190		3122
		51149			64624			28029	
14.0	0.808 4324			0.520 5697			0.225 8161		
		50532			65025			28203	
14.5	0.813 4856		5465	0.514 0672		7269	0.222 9958		3162
		49912			65420			28376	
15.0	0.818 4768			0.507 5252			0.220 1582		
		49288			65812			28546	
15.5	0.823 4056		5326	0.500 9440		7358	0.217 3036		3201
		48659			66198			28714	
16.0	0.828 2715			0.494 3242			0.214 4322		
		48027			66580			28880	
16.5	0.833 0742		5185	0.487 6662		7444	0.211 5442		3239
	+	47392		—	66957		—	29043	
17.0	0.837 8134			0.480 9705			0.208 6399		
		46752			67329			29205	
17.5	0.842 4886		—5042	0.474 2376		—7528	0.205 7194		—3275
		46108			67696			29365	
18.0	0.847 0994			0.467 4680			0.202 7829		
		45461			68057			29522	
18.5	0.851 6455		4898	0.460 6623		7610	0.199 8307		3310
		44810			68413			29678	
19.0	0.856 1265			0.453 8210			0.196 8629		
		44155			68764			29830	
19.5	0.860 5420		4752	0.446 9446		7689	0.193 8799		3345
		43497			69110			29980	
20.0	0.864 8917			0.440 0336			0.190 8819		
		42835			69450			30128	
20.5	0.869 1752		4605	0.433 0886		7766	0.187 8691		3379
		42169			69785			30273	
21.0	0.873 3921			0.426 1101			0.184 8418		
		41500			70114			30416	
21.5	0.877 5421		4456	0.419 0987		7841	0.181 8002		3411
	+	40828		—	70436		—	30557	
22.0	0.881 6249			0.412 0551			0.178 7445		
		40152			70754			30695	
22.5	0.885 6401		—4306	0.404 9797		—7913	0.175 6750		—3442
		39474			71065			30830	
23.0	0.889 5875			0.397 8732			0.172 5920		
		38792			71371			30963	
23.5	0.893 4667		4155	0.390 7361		7983	0.169 4957		3473
		38107			71672			31094	
24.0	0.897 2774			0.383 5689			0.166 3863		
		37420			71966			31221	
24.5	0.901 0194		4003	0.376 3723		8051	0.163 2642		3502
		36730			72255			31347	
25.0	0.904 6924			0.369 1468			0.160 1295		
		36037			72537			31469	
25.5	0.908 2961		3849	0.361 8931		8116	0.156 9826		3530
		35342			72814			31589	
26.0	0.911 8303			0.354 6117			0.153 8237		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	*X*		Red. auf 1910.0	*Y*		Red. auf 1910.0	*Z*		Red. auf 1910.0
	+			—			—		
Febr. 26.0	0.911 8303	34643		0.354 6117	73084		0.153 8237	31706	
26.5	0.915 2946	33943	−3694	0.347 3033	73349	−8179	0.150 6531	31821	−3557
27.0	0.918 6889	33240		0.339 9684	73607		0.147 4710	31933	
27.5	0.922 0129	32534	3538	0.332 6077	73860	8239	0.144 2777	32042	3583
28.0	0.925 2663	31827		0.325 2217	74106		0.141 0735	32148	
28.5	0.928 4490	31118	3381	0.317 8111	74346	8297	0.137 8587	32252	3608
März 1.0	0.931 5608	30406		0.310 3765	74581		0.134 6335	32354	
1.5	0.934 6014	29694	3223	0.302 9184	74809	8352	0.131 3981	32453	3632
2.0	0.937 5708	28979		0.295 4375	75031		0.128 1528	32549	
2.5	0.940 4687	28262	3064	0.287 9344	75248	8405	0.124 8979	32643	3655
	+			—			—		
3.0	0.943 2949	27544		0.280 4096	75458		0.121 6336	32733	
3.5	0.946 0493	26825	−2904	0.272 8638	75661	−8455	0.118 3603	32822	−3677
4.0	0.948 7318	26104		0.265 2977	75859		0.115 0781	32907	
4.5	0.951 3422	25382	2743	0.257 7118	76051	8502	0.111 7874	32990	3698
5.0	0.953 8804	24658		0.250 1067	76237		0.108 4884	33070	
5.5	0.956 3462	23934	2581	0.242 4830	76418	8547	0.105 1814	33148	3718
6.0	0.958 7396	23207		0.234 8412	76592		0.101 8666	33223	
6.5	0.961 0603	22481	2418	0.227 1820	76760	8589	0.098 5443	33296	3736
7.0	0.963 3084	21753		0.219 5060	76922		0.095 2147	33366	
7.5	0.965 4837	21024	2255	0.211 8138	77079	8629	0.091 8781	33433	3753
	+			—			—		
8.0	0.967 5861	20295		0.204 1059	77230		0.088 5348	33498	
8.5	0.969 6156	19565	−2091	0.196 3829	77376	−8666	0.085 1850	33560	−3769
9.0	0.971 5721	18834		0.188 6453	77515		0.081 8290	33621	
9.5	0.973 4555	18103	1926	0.180 8938	77649	8700	0.078 4669	33679	3784
10.0	0.975 2658	17370		0.173 1289	77777		0.075 0990	33735	
10.5	0.977 0028	16637	1761	0.165 3512	77900	8732	0.071 7255	33788	3798
11.0	0.978 6665	15903		0.157 5612	78017		0.068 3467	33839	
11.5	0.980 2568	15169	1595	0.149 7595	78129	8761	0.064 9628	33888	3811
12.0	0.981 7737	14434		0.141 9466	78235		0.061 5740	33934	
12.5	0.983 2171	13698	1429	0.134 1231	78337	8787	0.058 1806	33978	3822
	+			—			—		
13.0	0.984 5869	12961		0.126 2894	78433		0.054 7828	34020	
13.5	0.985 8830	12224	−1262	0.118 4461	78523	−8811	0.051 3808	34059	−3832
14.0	0.987 1054	11485		0.110 5938	78608		0.047 9749	34096	
14.5	0.988 2539	10746	1095	0.102 7330	78687	8832	0.044 5653	34131	3841
15.0	0.989 3285	10006		0.094 8643	78761		0.041 1522	34163	
15.5	0.990 3291	9265	928	0.086 9882	78829	8851	0.037 7359	34193	3849
16.0	0.991 2556	8523		0.079 1053	78892		0.034 3166	34221	
16.5	0.992 1079	7781	761	0.071 2161	78949	8867	0.030 8945	34245	3856
17.0	0.992 8860			0.063 3212			0.027 4700		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			—			—		
März 17.0	0.992 8860	7038		0.063 3212	79000		0.027 4700	34268	
17.5	0.993 5898	6293	— 593	0.055 4212	79045	—8880	0.024 0432	34289	—3862
18.0	0.994 2191	5549		0.047 5167	79084		0.020 6143	34306	
18.5	0.994 7740	4803	425	0.039 6083	79118	8891	0.017 1837	34321	3867
19.0	0.995 2543	4057		0.031 6965	79145		0.013 7516	34333	
19.5	0.995 6600	3311	257	0.023 7820	79167	8899	0.010 3183	34343	3870
20.0	0.995 9911	2564		0.015 8653	79182		0.006 8840	34350	
20.5	0.996 2475	1817	— 89	0.007 9471	79190	8904	0.003 4490	34354	3872
21.0	0.996 4292			0.000 0281			0.000 0136		
	+	1069		+	79193		+	34356	
21.5	0.996 5361		+ 79	0.007 8912		8907	0.003 4220		3874
	+	323		+	79191		+	34354	
22.0	0.996 5684	424		0.015 8103	79182		0.006 8574	34350	
22.5	0.996 5260	1171	+ 247	0.023 7285	79166	—8907	0.010 2924	34344	—3874
23.0	0.996 4089	1918		0.031 6451	79144		0.013 7268	34335	
23.5	0.996 2171	2664	415	0.039 5595	79116	8904	0.017 1603	34323	3873
24.0	0.995 9507	3411		0.047 4711	79082		0.020 5926	34308	
24.5	0.995 6096	4157	583	0.055 3793	79042	8899	0.024 0234	34291	3871
25.0	0.995 1939	4903		0.063 2835	78995		0.027 4525	34270	
25.5	0.994 7036	5647	751	0.071 1830	78943	8891	0.030 8795	34247	3867
26.0	0.994 1389	6391		0.079 0773	78884		0.034 3042	34222	
26.5	0.993 4998		919	0.086 9657		8880	0.037 7264		3862
	+	7134		+	78818		+	34193	
27.0	0.992 7864	7876		0.094 8475	78747		0.041 1457	34162	
27.5	0.991 9988	8617	+1086	0.102 7222	78670	—8867	0.044 5619	34129	—3857
28.0	0.991 1371	9357		0.110 5892	78586		0.047 9748	34092	
28.5	0.990 2014	10096	1253	0.118 4478	78496	8851	0.051 3840	34053	3850
29.0	0.989 1918	10833		0.126 2974	78400		0.054 7893	34011	
29.5	0.988 1085	11570	1420	0.134 1374	78299	8832	0.058 1904	33966	3842
30.0	0.986 9515	12304		0.141 9673	78191		0.061 5870	33919	
30.5	0.985 7211	13038	1586	0.149 7864	78077	8811	0.064 9789	33869	3833
31.0	0.984 4173	13769		0.157 5941	77958		0.068 3658	33817	
31.5	0.983 0404		1752	0.165 3899		8787	0.071 7475		3822
	+	14499		+	77832		+	33762	
April 1.0	0.981 5905	15227		0.173 1731	77701		0.075 1237	33705	
1.5	0.980 0678	15953	+1917	0.180 9432	77563	—8760	0.078 4942	33645	—3810
2.0	0.978 4725	16678		0.188 6995	77420		0.081 8587	33583	
2.5	0.976 8047	17400	2082	0.196 4415	77272	8731	0.085 2170	33518	3798
3.0	0.975 0647	18121		0.204 1687	77117		0.088 5688	33450	
3.5	0.973 2526	18839	2246	0.211 8804	76956	8699	0.091 9138	33380	3785
4.0	0.971 3687	19555		0.219 5760	76790		0.095 2518	33308	
4.5	0.969 4132	20269	2409	0.227 2550	76619	8665	0.098 5826	33234	3770
5.0	0.967 3863			0.234 9169			0.101 9060		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	*X*		Red. auf 1910.0	*Y*		Red. auf 1910.0	*Z*		Red. auf 1910.0
	+			+			+		
April 5.0	0.967 3863			0.234 9169			0.101 9060		
5.5	0.965 2882	20981	+2572	0.242 5611	76442	−8628	0.105 2217	33157	−3754
6.0	0.963 1192	21690		0.250 1872	76261		0.108 5294	33077	
6.5	0.960 8795	22397	2734	0.257 7946	76074	8589	0.111 8290	32996	3736
7.0	0.958 5693	23102		0.265 3827	75881		0.115 1202	32912	
7.5	0.956 1889	23804	2895	0.272 9511	75684	8547	0.118 4029	32827	3717
8.0	0.953 7384	24505		0.280 4993	75482		0.121 6768	32739	
8.5	0.951 2182	25202	3055	0.288 0267	75274	8503	0.124 9417	32649	3698
9.0	0.948 6284	25898		0.295 5329	75062		0.128 1975	32558	
9.5	0.945 9693	26591	3214	0.303 0174	74845	8456	0.131 4438	32463	3678
	+	27282		+	74622		+	32367	
10.0	0.943 2411			0.310 4796			0.134 6805		
10.5	0.940 4440	27971	+3373	0.317 9192	74396	−8407	0.137 9074	32269	−3656
11.0	0.937 5783	28657		0.325 3356	74164		0.141 1242	32168	
11.5	0.934 6441	29342	3531	0.332 7283	73927	8355	0.144 3308	32066	3633
12.0	0.931 6416	30025		0.340 0969	73686		0.147 5270	31962	
12.5	0.928 5711	30705	3687	0.347 4408	73439	8301	0.150 7125	31855	3609
13.0	0.925 4327	31384		0.354 7596	73188		0.153 8872	31747	
13.5	0.922 2267	32060	3842	0.362 0527	72931	8244	0.157 0508	31636	3584
14.0	0.918 9532	32735		0.369 3196	72669		0.160 2031	31523	
14.5	0.915 6125	33407	3996	0.376 5598	72402	8185	0.163 3438	31407	3559
	+	34077		+	72131		+	31290	
15.0	0.912 2048			0.383 7729			0.166 4728		
15.5	0.908 7303	34745	+4149	0.390 9583	71854	−8124	0.169 5898	31170	−3533
16.0	0.905 1892	35411		0.398 1154	71571		0.172 6945	31047	
16.5	0.901 5818	36074	4301	0.405 2438	71284	8060	0.175 7868	30923	3506
17.0	0.897 9084	36734		0.412 3429	70991		0.178 8664	30796	
17.5	0.894 1692	37392	4452	0.419 4122	70693	7994	0.181 9332	30668	3478
18.0	0.890 3645	38047		0.426 4511	70389		0.184 9868	30536	
18.5	0.886 4945	38700	4601	0.433 4592	70081	7925	0.188 0271	30403	3448
19.0	0.882 5595	39350		0.440 4358	69766		0.191 0537	30266	
19.5	0.878 5599	39996	4749	0.447 3805	69447	7854	0.194 0665	30128	3417
	+	40640		+	69123		+	29988	
20.0	0.874 4959			0.454 2928			0.197 0653		
20.5	0.870 3678	41281	+4895	0.461 1721	68793	−7781	0.200 0498	29845	−3385
21.0	0.866 1759	41919		0.468 0178	68457		0.203 0197	29699	
21.5	0.861 9205	42554	5040	0.474 8295	68117	7706	0.205 9749	29552	3352
22.0	0.857 6021	43184		0.481 6067	67772		0.208 9151	29402	
22.5	0.853 2209	43812	5184	0.488 3489	67422	7628	0.211 8401	29250	3318
23.0	0.848 7773	44436		0.495 0556	67067		0.214 7497	29096	
23.5	0.844 2716	45057	5326	0.501 7263	66707	7548	0.217 6436	28939	3283
24.0	0.839 7042	45674		0.508 3605	66342		0.220 5217	28781	

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			+			+		
April 24.0	0.839 7042	46288		0.508 3605	65971		0.220 5217	28620	
24.5	0.835 0754	46897	+5467	0.514 9576	65596	−7466	0.223 3837	28456	−3247
25.0	0.830 3857	47503		0.521 5172	65215		0.226 2293	28291	
25.5	0.825 6354	48106	5606	0.528 0387	64830	7382	0.229 0584	28124	3210
26.0	0.820 8248	48704		0.534 5217	64439		0.231 8708	27954	
26.5	0.815 9544	49297	5743	0.540 9656	64045	7295	0.234 6662	27782	3172
27.0	0.811 0247	49887		0.547 3701	63645		0.237 4444	27608	
27.5	0.806 0360	50473	5879	0.553 7346	63241	7206	0.240 2052	27433	3133
28.0	0.800 9887	51054		0.560 0587	62832		0.242 9485	27255	
28.5	0.795 8833	51631	6013	0.566 3419	62419	7115	0.245 6740	27076	3094
	+			+			+		
29.0	0.790 7202	52203		0.572 5838	62001		0.248 3816	26894	
29.5	0.785 4999	52772	+6145	0.578 7839	61579	−7022	0.251 0710	26711	−3054
30.0	0.780 2227	53336		0.584 9418	61152		0.253 7421	26526	
30.5	0.774 8891	53895	6275	0.591 0570	60722	6928	0.256 3947	26338	3013
Mai 1.0	0.769 4996	54450		0.597 1292	60287		0.259 0285	26149	
1.5	0.764 0546	55001	6404	0.603 1579	59847	6832	0.261 6434	25959	2971
2.0	0.758 5545	55546		0.609 1426	59404		0.264 2393	25766	
2.5	0.752 9999	56087	6531	0.615 0830	58958	6733	0.266 8159	25572	2928
3.0	0.747 3912	56623		0.620 9788	58507		0.269 3731	25376	
3.5	0.741 7289	57154	6656	0.626 8295	58052	6632	0.271 9107	25179	2884
	+			+			+		
4.0	0.736 0135	57681		0.632 6347	57594		0.274 4286	24980	
4.5	0.730 2454	58203	+6779	0.638 3941	57132	−6529	0.276 9266	24779	−2840
5.0	0.724 4251	58721		0.644 1073	56667		0.279 4045	24578	
5.5	0.718 5530	59235	6900	0.649 7740	56198	6425	0.281 8623	24374	2795
6.0	0.712 6295	59743		0.655 3938	55726		0.284 2997	24169	
6.5	0.706 6552	60247	7019	0.660 9664	55251	6319	0.286 7166	23964	2749
7.0	0.700 6305	60747		0.666 4915	54772		0.289 1130	23756	
7.5	0.694 5558	61242	7136	0.671 9687	54290	6211	0.291 4886	23547	2702
8.0	0.688 4316	61733		0.677 3977	53805		0.293 8433	23337	
8.5	0.682 2583	62219	7251	0.682 7782	53316	6101	0.296 1770	23125	2654
	+			+			+		
9.0	0.676 0364	62702		0.688 1098	52825		0.298 4895	22913	
9.5	0.669 7662	63179	+7364	0.693 3923	52330	−5989	0.300 7808	22699	−2605
10.0	0.663 4483	63652		0.698 6253	51831		0.303 0507	22484	
10.5	0.657 0831	64122	7475	0.703 8084	51330	5876	0.305 2991	22266	2556
11.0	0.650 6709	64589		0.708 9414	50825		0.307 5257	22048	
11.5	0.644 2120	65050	7584	0.714 0239	50316	5761	0.309 7305	21827	2506
12.0	0.637 7070	65507		0.719 0555	49804		0.311 9132	21605	
12.5	0.631 1563	65960	7690	0.724 0359	49290	5644	0.314 0737	21382	2455
13.0	0.624 5603			0.728 9649			0.316 2119		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914		X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
		+			+			+		
Mai	13.0	0.624 5603	66408		0.728 9649	48771		0.316 2119	21157	
	13.5	0.617 9195	66851	+7794	0.733 8420	48250	−5526	0.318 3276	20932	−2403
	14.0	0.611 2344	67291		0.738 6670	47724		0.320 4208	20704	
	14.5	0.604 5053	67725	7896	0.743 4394	47195	5406	0.322 4912	20474	2351
	15.0	0.597 7328	68155		0.748 1589	46662		0.324 5386	20244	
	15.5	0.590 9173	68581	7996	0.752 8251	46126	5285	0.326 5630	20011	2298
	16.0	0.584 0592	69003		0.757 4377	45586		0.328 5641	19777	
	16.5	0.577 1589	69419	8093	0.761 9963	45044	5162	0.330 5418	19542	2245
	17.0	0.570 2170	69830		0.766 5007	44497		0.332 4960	19305	
	17.5	0.563 2340		8188	0.770 9504		5038	0.334 4265		2191
		+	70235		+	43948		+	19067	
	18.0	0.556 2105	70636		0.775 3452	43395		0.336 3332	18828	
	18.5	0.549 1469	71032	+8281	0.779 6847	42839	−4912	0.338 2160	18586	−2136
	19.0	0.542 0437	71422		0.783 9686	42280		0.340 0746	18344	
	19.5	0.534 9015	71808	8371	0.788 1966	41717	4785	0.341 9090	18099	2081
	20.0	0.527 7207	72188		0.792 3683	41151		0.343 7189	17854	
	20.5	0.520 5019	72562	8459	0.796 4834	40582	4656	0.345 5043	17607	2025
	21.0	0.513 2457	72931		0.800 5416	40011		0.347 2650	17358	
	21.5	0.505 9526	73296	8545	0.804 5427	39436	4526	0.349 0008	17109	1968
	22.0	0.498 6230	73654		0.808 4863	38858		0.350 7117	16858	
	22.5	0.491 2576		8628	0.812 3721		4395	0.352 3975		1911
		+	74008		+	38277		+	16605	
	23.0	0.483 8568	74355		0.816 1998	37694		0.354 0580	16352	
	23.5	0.476 4213	74697	+8709	0.819 9692	37108	−4262	0.355 6932	16097	−1853
	24.0	0.468 9516	75033		0.823 6800	36519		0.357 3029	15842	
	24.5	0.461 4483	75363	8787	0.827 3319	35927	4128	0.358 8871	15585	1795
	25.0	0.453 9120	75687		0.830 9246	35333		0.360 4456	15327	
	25.5	0.446 3433	76006	8863	0.834 4579	34736	3993	0.361 9783	15067	1736
	26.0	0.438 7427	76318		0.837 9315	34137		0.363 4850	14807	
	26.5	0.431 1109	76625	8936	0.841 3452	33535	3857	0.364 9657	14546	1677
	27.0	0.423 4484	76926		0.844 6987	32932		0.366 4203	14284	
	27.5	0.415 7558		9007	0.847 9919		3720	0.367 8487		1618
		+	77220		+	32326		+	14020	
	28.0	0.408 0338	77509		0.851 2245	31718		0.369 2507	13756	
	28.5	0.400 2829	77793	+9075	0.854 3963	31107	−3582	0.370 6263	13492	−1558
	29.0	0.392 5036	78070		0.857 5070	30495		0.371 9755	13226	
	29.5	0.384 6966	78340	9141	0.860 5565	29881	3443	0.373 2981	12959	1497
	30.0	0.376 8626	78605		0.863 5446	29265		0.374 5940	12692	
	30.5	0.369 0021	78864	9204	0.866 4711	28647	3303	0.375 8632	12423	1436
	31.0	0.361 1157	79116		0.869 3358	28028		0.377 1055	12154	
	31.5	0.353 2041	79363	9264	0.872 1386	27409	3161	0.378 3209	11886	1375
Juni	1.0	0.345 2678			0.874 8795			0.379 5095		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914		X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
		+			+			+		
Juni	1.0	0.345 2678	79603		0.874 8795	26787		0.379 5095	11616	
	1.5	0.337 3075	79838	+9322	0.877 5582	26164	−3019	0.380 6711	11345	−1313
	2.0	0.329 3237	80067		0.880 1746	25540		0.381 8056	11075	
	2.5	0.321 3170	80290	9377	0.882 7286	24914	2876	0.382 9131	10804	1251
	3.0	0.313 2880	80508		0.885 2200	24287		0.383 9935	10533	
	3.5	0.305 2372	80720	9429	0.887 6487	23660	2732	0.385 0468	10260	1188
	4.0	0.297 1652	80927		0.890 0147	23031		0.386 0728	9988	
	4.5	0.289 0725	81127	9479	0.892 3178	22400	2588	0.387 0716	9715	1125
	5.0	0.280 9598	81322		0.894 5578	21769		0.388 0431	9442	
	5.5	0.272 8276	81512	9526	0.896 7347	21138	2443	0.388 9873	9168	1062
		+			+			+		
	6.0	0.264 6764	81696		0.898 8485	20505		0.389 9041	8894	
	6.5	0.256 5068	81875	+9570	0.900 8990	19870	−2297	0.390 7935	8619	− 999
	7.0	0.248 3193	82049		0.902 8860	19235		0.391 6554	8344	
	7.5	0.240 1144	82218	9612	0.904 8095	18600	2151	0.392 4898	8068	935
	8.0	0.231 8926	82381		0.906 6695	17962		0.393 2966	7792	
	8.5	0.223 6545	82539	9651	0.908 4657	17323	2004	0.394 0758	7516	871
	9.0	0.215 4006	82691		0.910 1980	16683		0.394 8274	7239	
	9.5	0.207 1315	82839	9687	0.911 8663	16043	1856	0.395 5513	6961	807
	10.0	0.198 8476	82981		0.913 4706	15401		0.396 2474	6683	
	10.5	0.190 5495	83117	9720	0.915 0107	14758	1708	0.396 9157	6404	743
		+			+			+		
	11.0	0.182 2378	83248		0.916 4865	14114		0.397 5561	6125	
	11.5	0.173 9130	83373	+9751	0.917 8979	13469	−1559	0.398 1686	5845	− 678
	12.0	0.165 5757	83493		0.919 2448	12822		0.398 7531	5564	
	12.5	0.157 2264	83607	9779	0.920 5270	12175	1410	0.399 3095	5284	613
	13.0	0.148 8657	83716		0.921 7445	11526		0.399 8379	5002	
	13.5	0.140 4941	83818	9804	0.922 8971	10875	1260	0.400 3381	4721	548
	14.0	0.132 1123	83915		0.923 9846	10224		0.400 8102	4438	
	14.5	0.123 7208	84006	9826	0.925 0070	9573	1110	0.401 2540	4156	483
	15.0	0.115 3202	84091		0.925 9643	8920		0.401 6696	3872	
	15.5	0.106 9111	84171	9846	0.926 8563	8266	960	0.402 0568	3589	417
		+			+			+		
	16.0	0.098 4940	84244		0.927 6829	7612		0.402 4157	3305	
	16.5	0.090 0696	84311	+9863	0.928 4441	6956	− 810	0.402 7462	3020	− 352
	17.0	0.081 6385	84372		0.929 1397	6300		0.403 0482	2735	
	17.5	0.073 2013	84427	9877	0.929 7697	5644	659	0.403 3217	2451	286
	18.0	0.064 7586	84476		0.930 3341	4986		0.403 5668	2165	
	18.5	0.056 3110	84519	9888	0.930 8327	4328	508	0.403 7833	1879	221
	19.0	0.047 8591	84556		0.931 2655	3669		0.403 9712	1593	
	19.5	0.039 4035	84586	9897	0.931 6324	3010	357	0.404 1305	1307	155
	20.0	0.030 9449			0.931 9334			0.404 2612		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			+			+		
Juni 20.0	0.030 9449	84610		0.931 9334	2350		0.404 2612	1020	
20.5	0.022 4839	84628	+9903	0.932 1684	1691	— 206	0.404 3632	734	— 89
21.0	0.014 0211	84639		0.932 3375	1030		0.404 4366	447	
21.5	0.005 5572		9906	0.932 4405		— 54	0.404 4813		— 23
	—	84645		+	371		+	161	
22.0	0.002 9073	84643		0.932 4776	290		0.404 4974	126	
22.5	0.011 3716	84636	9906	0.932 4486	949	+ 98	0.404 4848	413	+ 43
23.0	0.019 8352	84622		0.932 3537	1610		0.404 4435	700	
23.5	0.028 2974	84602	9903	0.932 1927	2269	249	0.404 3735	986	109
24.0	0.036 7576	84575		0.931 9658	2929		0.404 2749	1273	
24.5	0.045 2151		9898	0.931 6729		400	0.404 1476		175
	—	84543		+	3589		+	1559	
25.0	0.053 6694	84503		0.931 3140	4248		0.403 9917	1845	
25.5	0.062 1197	84457	+9890	0.930 8892	4907	+ 551	0.403 8072	2132	+ 240
26.0	0.070 5654	84405		0.930 3985	5565		0.403 5940	2417	
26.5	0.079 0059	84346	9879	0.929 8420	6222	702	0.403 3523	2703	306
27.0	0.087 4405	84281		0.929 2198	6879		0.403 0820	2987	
27.5	0.095 8686	84209	9865	0.928 5319	7535	853	0.402 7833	3272	371
28.0	0.104 2895	84132		0.927 7784	8190		0.402 4561	3556	
28.5	0.112 7027	84049	9848	0.926 9594	8843	1003	0.402 1005	3839	437
29.0	0.121 1076	83960		0.926 0751	9495		0.401 7166	4123	
29.5	0.129 5036		9829	0.925 1256		1153	0.401 3043		502
	—	83864		+	10147		+	4405	
30.0	0.137 8900	83763		0.924 1109	10797		0.400 8638	4687	
30.5	0.146 2663	83655	+9807	0.923 0312	11446	+ 1303	0.400 3951	4969	+ 567
Juli 1.0	0.154 6318	83542		0.921 8866	12094		0.399 8982	5249	
1.5	0.162 9860	83424	9782	0.920 6772	12740	1452	0.399 3733	5529	632
2.0	0.171 3284	83299		0.919 4032	13386		0.398 8204	5809	
2.5	0.179 6583	83169	9754	0.918 0646	14030	1601	0.398 2395	6087	697
3.0	0.187 9752	83033		0.916 6616	14672		0.397 6308	6366	
3.5	0.196 2785	82893	9724	0.915 1944	15314	1750	0.396 9942	6643	761
4.0	0.204 5678	82747		0.913 6630	15953		0.396 3299	6921	
4.5	0.212 8425		9691	0.912 0677		1898	0.395 6378		825
	—	82595		+	16592		+	7197	
5.0	0.221 1020	82439		0.910 4085	17228		0.394 9181	7473	
5.5	0.229 3459	82277	+9655	0.908 6857	17864	+ 2046	0.394 1708	7748	+ 889
6.0	0.237 5736	82110		0.906 8993	18498		0.393 3960	8023	
6.5	0.245 7846	81937	9616	0.905 0495	19132	2193	0.392 5937	8297	953
7.0	0.253 9783	81759		0.903 1363	19764		0.391 7640	8571	
7.5	0.262 1542	81576	9575	0.901 1599	20395	2339	0.390 9069	8844	1017
8.0	0.270 3118	81387		0.899 1204	21024		0.390 0225	9117	
8.5	0.278 4505	81193	9531	0.897 0180	21653	2484	0.389 1108	9390	1081
9.0	0.286 5698			0.894 8527			0.388 1718		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	—			+			+		
Juli 9.0	0.286 5698	80994		0.894 8527	22280		0.388 1718	9662	
9.5	0.294 6692	80789	+9484	0.892 6247	22905	+2629	0.387 2056	9933	+1144
10.0	0.302 7481	80580		0.890 3342	23530		0.386 2123	10204	
10.5	0.310 8061	80364	9435	0.887 9812	24153	2773	0.385 1919	10474	1207
11.0	0.318 8425	80144		0.885 5659	24776		0.384 1445	10744	
11.5	0.326 8569	79917	9383	0.883 0883	25396	2917	0.383 0701	11013	1269
12.0	0.334 8486	79685		0.880 5487	26016		0.381 9688	11282	
12.5	0.342 8171	79448	9328	0.877 9471	26634	3060	0.380 8406	11550	1331
13.0	0.350 7619	79204		0.875 2837	27251		0.379 6856	11818	
13.5	0.358 6823		9271	0.872 5586		3202	0.378 5038		1393
	—	78956		+	27865		+	12084	
14.0	0.366 5779	78701		0.869 7721	28479		0.377 2954	12351	
14.5	0.374 4480	78440	+9211	0.866 9242	29090	+3343	0.376 0603	12617	+1454
15.0	0.382 2920	78174		0.864 0152	29701		0.374 7986	12882	
15.5	0.390 1094	77903	9149	0.861 0451	30309	3483	0.373 5104	13146	1515
16.0	0.397 8997	77625		0.858 0142	30915		0.372 1958	13409	
16.5	0.405 6622	77343	9084	0.854 9227	31520	3622	0.370 8549	13672	1575
17.0	0.413 3965	77054		0.851 7707	32122		0.369 4877	13933	
17.5	0.421 1019	76759	9017	0.848 5585	32722	3760	0.368 0944	14194	1635
18.0	0.428 7778	76459		0.845 2863	33321		0.366 6750	14454	
18.5	0.436 4237		8947	0.841 9542		3897	0.365 2296		1695
	—	76153		+	33917		+	14713	
19.0	0.444 0390	75841		0.838 5625	34512		0.363 7583	14971	
19.5	0.451 6231	75524	+8874	0.835 1113	35104	+4033	0.362 2612	15229	+1754
20.0	0.459 1755	75201		0.831 6009	35695		0.360 7383	15485	
20.5	0.466 6956	74871	8799	0.828 0314	36282	4168	0.359 1898	15740	1813
21.0	0.474 1827	74536		0.824 4032	36867		0.357 6158	15994	
21.5	0.481 6363	74196	8721	0.820 7165	37450	4301	0.356 0164	16248	1871
22.0	0.489 0559	73850		0.816 9715	38029		0.354 3916	16500	
22.5	0.496 4409	73497	8641	0.813 1686	38606	4433	0.352 7416	16750	1928
23.0	0.503 7906	73139		0.809 3080	39180		0.351 0666	17000	
23.5	0.511 1045		8559	0.805 3900		4564	0.349 3666		1985
	—	72776		+	39751		+	17247	
24.0	0.518 3821	72407		0.801 4149	40319		0.347 6419	17494	
24.5	0.525 6228	72032	+8474	0.797 3830	40884	+4694	0.345 8925	17738	+2041
25.0	0.532 8260	71652		0.793 2946	41447		0.344 1187	17982	
25.5	0.539 9912	71266	8387	0.789 1499	42005	4822	0.342 3205	18224	2097
26.0	0.547 1178	70875		0.784 9494	42560		0.340 4981	18465	
26.5	0.554 2053	70480	8297	0.780 6934	43113	4949	0.338 6516	18705	2152
27.0	0.561 2533	70078		0.776 3821	43661		0.336 7811	18943	
27.5	0.568 2611	69673	8205	0.772 0160	44206	5075	0.334 8868	19179	2207
28.0	0.575 2284			0.767 5954			0.332 9689		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	—			+			+		
Juli 28.0	0.575 2284	69262		0.767 5954	44747		0.332 9689	19414	
28.5	0.582 1546	68846	+8111	0.763 1207	45286	+5199	0.331 0275	19647	+2261
29.0	0.589 0392	68426		0.758 5921	45820		0.329 0628	19878	
29.5	0.595 8818	68002	8014	0.754 0101	46351	5322	0.327 0750	20108	2315
30.0	0.602 6820	67572		0.749 3750	46879		0.325 0642	20336	
30.5	0.609 4392	67139	7915	0.744 6871	47402	5443	0.323 0306	20563	2368
31.0	0.616 1531	66700		0.739 9469	47923		0.320 9743	20789	
31.5	0.622 8231	66258	7814	0.735 1546	48439	5563	0.318 8954	21012	2420
Aug. 1.0	0.629 4489	65811		0.730 3107	48953		0.316 7942	21235	
1.5	0.636 0300		7711	0.725 4154		5681	0.314 6707		2471
	—	65359		+	49462		+	21455	
2.0	0.642 5659	64904		0.720 4692	49969		0.312 5252	21675	
2.5	0.649 0563	64444	+7605	0.715 4723	50472	+5798	0.310 3577	21892	+2522
3.0	0.655 5007	63980		0.710 4251	50972		0.308 1685	22108	
3.5	0.661 8987	63513	7497	0.705 3279	51467	5913	0.305 9577	22323	2572
4.0	0.668 2500	63041		0.700 1812	51960		0.303 7254	22536	
4.5	0.674 5541	62564	7387	0.694 9852	52449	6026	0.301 4718	22749	2621
5.0	0.680 8105	62084		0.689 7403	52936		0.299 1969	22959	
5.5	0.687 0189	61599	7275	0.684 4467	53418	6137	0.296 9010	23169	2669
6.0	0.693 1788	61110		0.679 1049	53898		0.294 5841	23377	
6.5	0.699 2898		7161	0.673 7151		6247	0.292 2464		2717
	—	60618		+	54373		+	23583	
7.0	0.705 3516	60121		0.668 2778	54846		0.289 8881	23788	
7.5	0.711 3637	59620	+7045	0.662 7932	55315	+6355	0.287 5093	23992	+2764
8.0	0.717 3257	59114		0.657 2617	55780		0.285 1101	24193	
8.5	0.723 2371	58605	6927	0.651 6837	56243	6461	0.282 6908	24394	2810
9.0	0.729 0976	58091		0.646 0594	56701		0.280 2514	24593	
9.5	0.734 9067	57572	6807	0.640 3893	57156	6565	0.277 7921	24790	2855
10.0	0.740 6639	57049		0.634 6737	57607		0.275 3131	24986	
10.5	0.746 3688	56523	6685	0.628 9130	58055	6668	0.272 8145	25181	2900
11.0	0.752 0211	55991		0.623 1075	58499		0.270 2964	25373	
11.5	0.757 6202		6561	0.617 2576		6768	0.267 7591		2944
	—	55456		+	58939		+	25565	
12.0	0.763 1658	54916		0.611 3637	59376		0.265 2026	25755	
12.5	0.768 6574	54373	+6435	0.605 4261	59809	+6867	0.262 6271	25943	+2987
13.0	0.774 0947	53824		0.599 4452	60238		0.260 0328	26129	
13.5	0.779 4771	53272	6308	0.593 4214	60663	6964	0.257 4199	26314	3029
14.0	0.784 8043	52715		0.587 3551	61084		0.254 7885	26497	
14.5	0.790 0758	52154	6179	0.581 2467	61500	7059	0.252 1388	26678	3070
15.0	0.795 2912	51589		0.575 0967	61913		0.249 4710	26857	
15.5	0.800 4501	51020	6048	0.568 9054	62321	7152	0.246 7853	27035	3110
16.0	0.805 5521			0.562 6733			0.244 0818		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	—			+			+		
Aug. 16.0	0.805 5521	50447		0.562 6733	62726		0.244 0818	27210	
16.5	0.810 5968	49869	+5915	0.556 4007	63126	+7242	0.241 3608	27385	+3150
17.0	0.815 5837	49287		0.550 0881	63522		0.238 6223	27557	
17.5	0.820 5124	48701	5780	0.543 7359	63914	7330	0.235 8666	27727	3189
18.0	0.825 3825	48112		0.537 3445	64301		0.233 0939	27895	
18.5	0.830 1937	47517	5644	0.530 9144	64683	7417	0.230 3044	28061	3226
19.0	0.834 9454	46919		0.524 4461	65061		0.227 4983	28225	
19.5	0.839 6373	46317	5506	0.517 9400	65434	7502	0.224 6758	28388	3263
20.0	0.844 2690	45711		0.511 3966	65802		0.221 8370	28548	
20.5	0.848 8401		5367	0.504 8164		7584	0.218 9822		3299
	—	45101		+	66165		+	28705	
21.0	0.853 3502	44487		0.498 1999	66523		0.216 1117	28861	
21.5	0.857 7989	43869	+5226	0.491 5476	66877	+7664	0.213 2256	29014	+3333
22.0	0.862 1858	43248		0.484 8599	67225		0.210 3242	29165	
22.5	0.866 5106	42623	5083	0.478 1374	67568	7742	0.207 4077	29314	3367
23.0	0.870 7729	41995		0.471 3806	67906		0.204 4763	29460	
23.5	0.874 9724	41365	4939	0.464 5900	68238	7818	0.201 5303	29604	3400
24.0	0.879 1089	40731		0.457 7662	68566		0.198 5699	29745	
24.5	0.883 1820	40093	4794	0.450 9096	68887	7891	0.195 5954	29885	3432
25.0	0.887 1913	39453		0.444 0209	69204		0.192 6069	30022	
25.5	0.891 1366		4647	0.437 1005		7962	0.189 6047		3463
	—	38811		+	69515		+	30156	
26.0	0.895 0177	38166		0.430 1490	69821		0.186 5891	30289	
26.5	0.898 8343	37518	+4499	0.423 1669	70122	+8031	0.183 5602	30419	+3493
27.0	0.902 5861	36868		0.416 1547	70417		0.180 5183	30547	
27.5	0.906 2729	36216	4350	0.409 1130	70708	8098	0.177 4636	30673	3522
28.0	0.909 8945	35560		0.402 0422	70993		0.174 3963	30796	
28.5	0.913 4505	34903	4200	0.394 9429	71274	8162	0.171 3167	30917	3550
29.0	0.916 9408	34243		0.387 8155	71549		0.168 2250	31036	
29.5	0.920 3651	33581	4049	0.380 6606	71818	8224	0.165 1214	31152	3577
30.0	0.923 7232	32916		0.373 4788	72083		0.162 0062	31266	
30.5	0.927 0148		3896	0.366 2705		8284	0.158 8796		3603
	—	32250		+	72343		+	31379	
31.0	0.930 2398	31582		0.359 0362	72598		0.155 7417	31489	
31.5	0.933 3980	30912	+3742	0.351 7764	72847	+8341	0.152 5928	31597	+3628
Sept. 1.0	0.936 4892	30239		0.344 4917	73092		0.149 4331	31703	
1.5	0.939 5131	29565	3587	0.337 1825	73333	8396	0.146 2628	31808	3652
2.0	0.942 4696	28889		0.329 8492	73568		0.143 0820	31909	
2.5	0.945 3585	28210	3431	0.322 4924	73798	8448	0.139 8911	32009	3675
3.0	0.948 1795	27530		0.315 1126	74023		0.136 6902	32107	
3.5	0.950 9325	26847	3274	0.307 7103	74244	8498	0.133 4795	32202	3696
4.0	0.953 6172			0.300 2859			0.130 2593		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	*X*		Red. auf 1910.0	*Y*		Red. auf 1910.0	*Z*		Red. auf 1910.0
	—			+			+		
Sept. 4.0	0.953 6172	26163		0.300 2859	74459		0.130 2593	32296	
4.5	0.956 2335	25476	+3116	0.292 8400	74670	+8545	0.127 0297	32387	+3716
5.0	0.958 7811	24787		0.285 3730	74875		0.123 7910	32476	
5.5	0.961 2598	24096	2957	0.277 8855	75076	8590	0.120 5434	32564	3736
6.0	0.963 6694	23403		0.270 3779	75272		0.117 2870	32649	
6.5	0.966 0097	22709	2797	0.262 8507	75462	8632	0.114 0221	32732	3755
7.0	0.968 2806	22012		0.255 3045	75648		0.110 7489	32812	
7.5	0.970 4818	21313	2636	0.247 7397	75829	8672	0.107 4677	32891	3773
8.0	0.972 6131	20612		0.240 1568	76004		0.104 1786	32967	
8.5	0.974 6743		2475	0.232 5564		8710	0.100 8819		3789
	—	19909		+	76174		+	33042	
9.0	0.976 6652	19204		0.224 9390	76339		0.097 5777	33114	
9.5	0.978 5856	18497	+2313	0.217 3051	76499	+8745	0.094 2663	33183	+3804
10.0	0.980 4353	17788		0.209 6552	76653		0.090 9480	33251	
10.5	0.982 2141	17077	2150	0.201 9899	76803	8778	0.087 6229	33315	3818
11.0	0.983 9218	16365		0.194 3096	76946		0.084 2914	33378	
11.5	0.985 5583	15652	1987	0.186 6150	77085	8808	0.080 9536	33438	3831
12.0	0.987 1235	14936		0.178 9065	77218		0.077 6098	33497	
12.5	0.988 6171	14219	1823	0.171 1847	77346	8835	0.074 2601	33552	3843
13.0	0.990 0390	13499		0.163 4501	77468		0.070 9049	33606	
13.5	0.991 3889		1659	0.155 7033		8860	0.067 5443		3854
	—	12779		+	77585		+	33657	
14.0	0.992 6668	12056		0.147 9448	77696		0.064 1786	33706	
14.5	0.993 8724	11331	+1494	0.140 1752	77801	+8882	0.060 8080	33751	+3864
15.0	0.995 0055	10605		0.132 3951	77901		0.057 4329	33795	
15.5	0.996 0660	9878	1329	0.124 6050	77995	8902	0.054 0534	33836	3872
16.0	0.997 0538	9149		0.116 8055	78083		0.050 6698	33875	
16.5	0.997 9687	8418	1163	0.108 9972	78166	8919	0.047 2823	33910	3879
17.0	0.998 8105	7686		0.101 1806	78242		0.043 8913	33944	
17.5	0.999 5791	6954	997	0.093 3564	78312	8933	0.040 4969	33974	3886
18.0	1.000 2745	6220		0.085 5252	78376		0.037 0995	34002	
18.5	1.000 8965		831	0.077 6876		8945	0.033 6993		3891
	—	5485		+	78434		+	34028	
19.0	1.001 4450	4749		0.069 8442	78486		0.030 2965	34050	
19.5	1.001 9199	4013	+ 664	0.061 9956	78531	+8954	0.026 8915	34069	+3895
20.0	1.002 3212	3276		0.054 1425	78571		0.023 4846	34086	
20.5	1.002 6488	2539	497	0.046 2854	78604	8961	0.020 0760	34100	3898
21.0	1.002 9027	1801		0.038 4250	78631		0.016 6660	34111	
21.5	1.003 0828	1063	330	0.030 5619	78651	8965	0.013 2549	34120	3900
22.0	1.003 1891	324		0.022 6968	78666		0.009 8429	34126	
22.5	1.003 2215	414	+ 162	0.014 8302	78673	8966	0.006 4303	34128	3901
23.0	1.003 1801			0.006 9629			0.003 0175		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	—			+			+		
Sept. 23.0	1.003 1801			0.006 9629			0.003 0175		
	—	1153		—	78675		—	34129	
23.5	1.003 0648		— 5	0.000 9046		+8965	0.000 3954		+3900
24.0	1.002 8757	1891		0.008 7718	78672		0.003 8081	34127	
24.5	1.002 6129	2628	172	0.016 6380	78662	8961	0.007 2204	34123	3898
25.0	1.002 2764	3365		0.024 5026	78646		0.010 6319	34115	
25.5	1.001 8662	4102	339	0.032 3650	78624	8955	0.014 0425	34106	3895
26.0	1.001 3824	4838		0.040 2247	78597		0.017 4518	34093	
26.5	1.000 8250	5574	506	0.048 0810	78563	8946	0.020 8596	34078	3891
27.0	1.000 1942	6308		0.055 9334	78524		0.024 2656	34060	
27.5	0.999 4900	7042	673	0.063 7813	78479	8934	0.027 6696	34040	3886
	—	7776		—	78429		—	34018	
28.0	0.998 7124			0.071 6242			0.031 0714		
28.5	0.997 8615	8509	— 840	0.079 4615	78373	+8919	0.034 4708	33994	+3880
29.0	0.996 9374	9241		0.087 2926	78311		0.037 8675	33967	
29.5	0.995 9401	9973	1006	0.095 1170	78244	8902	0.041 2613	33938	3873
30.0	0.994 8697	10704		0.102 9342	78172		0.044 6520	33907	
30.5	0.993 7263	11434	1172	0.110 7436	78094	8882	0.048 0393	33873	3864
Okt. 1.0	0.992 5099	12164		0.118 5447	78011		0.051 4229	33836	
1.5	0.991 2207	12892	1338	0.126 3369	77922	8860	0.054 8026	33797	3854
2.0	0.989 8587	13620		0.134 1196	77827		0.058 1783	33757	
2.5	0.988 4240	14347	1503	0.141 8924	77728	8835	0.061 5496	33713	3843
	—	15074		—	77622		—	33668	
3.0	0.986 9166			0.149 6546			0.064 9164		
3.5	0.985 3367	15799	—1668	0.157 4058	77512	+8807	0.068 2784	33620	+3831
4.0	0.983 6843	16524		0.165 1453	77395		0.071 6354	33570	
4.5	0.981 9595	17248	1832	0.172 8727	77274	8777	0.074 9872	33518	3818
5.0	0.980 1624	17971		0.180 5875	77148		0.078 3335	33463	
5.5	0.978 2930	18694	1996	0.188 2890	77015	8744	0.081 6741	33406	3804
6.0	0.976 3515	19415		0.195 9767	76877		0.085 0087	33346	
6.5	0.974 3379	20136	2159	0.203 6500	76733	8709	0.088 3372	33285	3789
7.0	0.972 2523	20856		0.211 3085	76585		0.091 6592	33220	
7.5	0.970 0949	21574	2322	0.218 9515	76430	8671	0.094 9746	33154	3772
	—	22292		—	76271		—	33084	
8.0	0.967 8657			0.226 5786			0.098 2830		
8.5	0.965 5649	23008	—2484	0.234 1891	76105	+8631	0.101 5843	33013	+3754
9.0	0.963 1926	23723		0.241 7825	75934		0.104 8782	32939	
9.5	0.960 7488	24438	2645	0.249 3583	75758	8588	0.108 1645	32863	3736
10.0	0.958 2337	25151		0.256 9159	75576		0.111 4430	32785	
10.5	0.955 6473	25864	2805	0.264 4547	75388	8542	0.114 7134	32704	3716
11.0	0.952 9899	26574		0.271 9742	75195		0.117 9754	32620	
11.5	0.950 2615	27284	2965	0.279 4738	74996	8494	0.121 2288	32534	3695
12.0	0.947 4622	27993		0.286 9529	74791		0.124 4734	32446	

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914		X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
		—			—			—		
Okt.	12.0	0.947 4622	28700		0.286 9529	74581		0.124 4734	32355	
	12.5	0.944 5922	29406	−3124	0.294 4110	74364	+8444	0.127 7089	32261	+3673
	13.0	0.941 6516	30110		0.301 8474	74143		0.130 9350	32165	
	13.5	0.938 6406	30812	3282	0.309 2617	73915	8391	0.134 1515	32067	3650
	14.0	0.935 5594	31513		0.316 6532	73682		0.137 3582	31965	
	14.5	0.932 4081	32212	3438	0.324 0214	73442	8335	0.140 5547	31862	3626
	15.0	0.929 1869	32910		0.331 3656	73197		0.143 7409	31755	
	15.5	0.925 8959	33605	3594	0.338 6853	72945	8277	0.146 9164	31646	3600
	16.0	0.922 5354	34299		0.345 9798	72688		0.150 0810	31534	
	16.5	0.919 1055		3748	0.353 2486		8216	0.153 2344		3573
		—	34990		—	72425		—	31420	
	17.0	0.915 6065	35680		0.360 4911	72155		0.156 3764	31303	
	17.5	0.912 0385	36367	−3902	0.367 7066	71880	+8153	0.159 5067	31183	+3546
	18.0	0.908 4018	37052		0.374 8946	71598		0.162 6250	31061	
	18.5	0.904 6966	37733	4055	0.382 0544	71311	8088	0.165 7311	30936	3518
	19.0	0.900 9233	38412		0.389 1855	71017		0.168 8247	30808	
	19.5	0.897 0821	39088	4206	0.396 2872	70718	8020	0.171 9055	30678	3488
	20.0	0.893 1733	39762		0.403 3590	70413		0.174 9733	30545	
	20.5	0.889 1971	40432	4356	0.410 4003	70102	7950	0.178 0278	30410	3457
	21.0	0.885 1539	41099		0.417 4105	69785		0.181 0688	30272	
	21.5	0.881 0440		4505	0.424 3890		7877	0.184 0960		3426
		—	41762		—	69463		—	30132	
	22.0	0.876 8678	42422		0.431 3353	69135		0.187 1092	29989	
	22.5	0.872 6256	43079	−4652	0.438 2488	68802	+7802	0.190 1081	29844	+3393
	23.0	0.868 3177	43732		0.445 1290	68463		0.193 0925	29696	
	23.5	0.863 9445	44381	4798	0.451 9753	68119	7724	0.196 0621	29547	3359
	24.0	0.859 5064	45027		0.458 7872	67770		0.199 0168	29395	
	24.5	0.855 0037	45668	4943	0.465 5642	67416	7644	0.201 9563	29242	3324
	25.0	0.850 4369	46307		0.472 3058	67057		0.204 8805	29086	
	25.5	0.845 8062	46941	5086	0.479 0115	66693	7562	0.207 7891	28927	3288
	26.0	0.841 1121	47573		0.485 6808	66324		0.210 6818	28767	
	26.5	0.836 3548		5227	0.492 3132		7478	0.213 5585		3251
		—	48201		—	65951		—	28605	
	27.0	0.831 5347	48826		0.498 9083	65572		0.216 4190	28441	
	27.5	0.826 6521	49446	−5367	0.505 4655	65189	+7391	0.219 2631	28274	+3214
	28.0	0.821 7075	50063		0.511 9844	64801		0.222 0905	28106	
	28.5	0.816 7012	50676	5505	0.518 4645	64408	7302	0.224 9011	27935	3176
	29.0	0.811 6336	51285		0.524 9053	64010		0.227 6946	27763	
	29.5	0.806 5051	51891	5641	0.531 3063	63608	7211	0.230 4709	27589	3136
	30.0	0.801 3160	52493		0.537 6671	63201		0.233 2298	27413	
	30.5	0.796 0667	53092	5776	0.543 9872	62790	7118	0.235 9711	27235	3095
	31.0	0.790 7575			0.550 2662			0.238 6946		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Okt. 31.0	0.790 7575	53686		0.550 2662	62374		0.238 6946	27055	
31.5	0.785 3889	54277	−5909	0.556 5036	61954	+7023	0.241 4001	26872	+3054
Nov. 1.0	0.779 9612	54864		0.562 6990	61529		0.244 0873	26688	
1.5	0.774 4748	55448	6040	0.568 8519	61100	6925	0.246 7561	26502	3012
2.0	0.768 9300	56028		0.574 9619	60666		0.249 4063	26314	
2.5	0.763 3272	56603	6169	0.581 0285	60227	6825	0.252 0377	26124	2968
3.0	0.757 6669	57175		0.587 0512	59784		0.254 6501	25932	
3.5	0.751 9494	57744	6296	0.593 0296	59336	6723	0.257 2433	25739	2924
4.0	0.746 1750	58308		0.598 9632	58884		0.259 8172	25543	
4.5	0.740 3442		6422	0.604 8516		6620	0.262 3715		2879
	—	58868		—	58428		—	25345	
5.0	0.734 4574	59425		0.610 6944	57967		0.264 9060	25146	
5.5	0.728 5149	59977	−6546	0.616 4911	57502	+6515	0.267 4206	24944	+2833
6.0	0.722 5172	60526		0.622 2413	57032		0.269 9150	24741	
6.5	0.716 4646	61070	6668	0.627 9445	56558	6408	0.272 3891	24536	2786
7.0	0.710 3576	61611		0.633 6003	56079		0.274 8427	24329	
7.5	0.704 1965	62148	6788	0.639 2082	55597	6298	0.277 2756	24119	2738
8.0	0.697 9817	62680		0.644 7679	55109		0.279 6875	23908	
8.5	0.691 7137	63209	6906	0.650 2788	54618	6186	0.282 0783	23695	2690
9.0	0.685 3928	63733		0.655 7406	54121		0.284 4478	23480	
9.5	0.679 0195		7022	0.661 1527		6072	0.286 7958		2640
	—	64253		—	53621		—	23262	
10.0	0.672 5942	64768		0.666 5148	53115		0.289 1220	23043	
10.5	0.666 1174	65279	−7135	0.671 8263	52605	+5957	0.291 4263	22822	+2590
11.0	0.659 5895	65785		0.677 0868	52090		0.293 7085	22599	
11.5	0.653 0110	66288	7246	0.682 2958	51572	5840	0.295 9684	22375	2539
12.0	0.646 3822	66785		0.687 4530	51048		0.298 2059	22148	
12.5	0.639 7037	67278	7355	0.692 5578	50521	5721	0.300 4207	21919	2488
13.0	0.632 9759	67766		0.697 6099	49989		0.302 6126	21688	
13.5	0.626 1993	68248	7462	0.702 6088	49452	5600	0.304 7814	21454	2436
14.0	0.619 3745	68727		0.707 5540	48911		0.306 9268	21219	
14.5	0.612 5018		7567	0.712 4451		5478	0.309 0487		2382
	—	69199		—	48365		—	20982	
15.0	0.605 5819	69667		0.717 2816	47815		0.311 1469	20743	
15.5	0.598 6152	70129	−7669	0.722 0631	47260	+5354	0.313 2212	20502	+2328
16.0	0.591 6023	70585		0.726 7891	46701		0.315 2714	20260	
16.5	0.584 5438	71036	7769	0.731 4592	46139	5228	0.317 2974	20015	2274
17.0	0.577 4402	71481		0.736 0731	45572		0.319 2989	19769	
17.5	0.570 2921	71920	7866	0.740 6303	45001	5100	0.321 2758	19521	2218
18.0	0.563 1001	72354		0.745 1304	44427		0.323 2279	19271	
18.5	0.555 8647	72781	7961	0.749 5731	43848	4971	0.325 1550	19020	2162
19.0	0.548 5866			0.753 9579			0.327 0570		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X	Diff.	Red. auf 1910.0	Y	Diff.	Red. auf 1910.0	Z	Diff.	Red. auf 1910.0
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Nov. 19.0	0.548 5866	73203		0.753 9579	43267		0.327 0570	18767	
19.5	0.541 2663	73619	−8054	0.758 2846	42681	+4841	0.328 9337	18512	+2105
20.0	0.533 9044	74028		0.762 5527	42092		0.330 7849	18256	
20.5	0.526 5016	74431	8144	0.766 7619	41499	4709	0.332 6105	17999	2048
21.0	0.519 0585	74828		0.770 9118	40903		0.334 4104	17740	
21.5	0.511 5757	75219	8232	0.775 0021	40304	4576	0.336 1844	17480	1990
22.0	0.504 0538	75604		0.779 0325	39701		0.337 9324	17219	
22.5	0.496 4934	75983	8317	0.783 0026	39097	4441	0.339 6543	16956	1932
23.0	0.488 8951	76356		0.786 9123	38489		0.341 3499	16693	
23.5	0.481 2595	76722	8399	0.790 7612	37879	4305	0.343 0192	16428	1873
	—			—			—		
24.0	0.473 5873	77083		0.794 5491	37267		0.344 6620	16162	
24.5	0.465 8790	77438	−8479	0.798 2758	36652	+4168	0.346 2782	15896	+1814
25.0	0.458 1352	77787		0.801 9410	36034		0.347 8678	15627	
25.5	0.450 3565	78129	8556	0.805 5444	35413	4029	0.349 4305	15358	1753
26.0	0.442 5436	78466		0.809 0857	34790		0.350 9663	15088	
26.5	0.434 6970	78798	8631	0.812 5647	34163	3889	0.352 4751	14816	1692
27.0	0.426 8172	79123		0.815 9810	33535		0.353 9567	14544	
27.5	0.418 9049	79442	8703	0.819 3345	32904	3748	0.355 4111	14271	1630
28.0	0.410 9607	79755		0.822 6249	32270		0.356 8382	13996	
28.5	0.402 9852	80063	8772	0.825 8519	31635	3606	0.358 2378	13721	1568
	—			—			—		
29.0	0.394 9789	80364		0.829 0154	30997		0.359 6099	13445	
29.5	0.386 9425	80660	−8838	0.832 1151	30357	+3463	0.360 9544	13167	+1506
30.0	0.378 8765	80949		0.835 1508	29715		0.362 2711	12889	
30.5	0.370 7816	81233	8902	0.838 1223	29071	3318	0.363 5600	12610	1443
Dez. 1.0	0.362 6583	81510		0.841 0294	28424		0.364 8210	12330	
1.5	0.354 5073	81783	8963	0.843 8718	27776	3172	0.366 0540	12048	1380
2.0	0.346 3290	82049		0.846 6494	27124		0.367 2588	11766	
2.5	0.338 1241	82309	9022	0.849 3618	26471	3025	0.368 4354	11484	1316
3.0	0.329 8932	82563		0.852 0089	25816		0.369 5838	11200	
3.5	0.321 6369	82812	9078	0.854 5905	25159	2878	0.370 7038	10915	1252
	—			—			—		
4.0	0.313 3557	83054		0.857 1064	24499		0.371 7953	10629	
4.5	0.305 0503	83290	−9131	0.859 5563	23838	+2730	0.372 8582	10342	+1188
5.0	0.296 7213	83520		0.861 9401	23175		0.373 8924	10055	
5.5	0.288 3693	83745	9181	0.864 2576	22510	2581	0.374 8979	9767	1123
6.0	0.279 9948	83963		0.866 5086	21842		0.375 8746	9478	
6.5	0.271 5985	84175	9228	0.868 6928	21173	2431	0.376 8224	9188	1058
7.0	0.263 1810	84381		0.870 8101	20502		0.377 7412	8897	
7.5	0.254 7429	84582	9272	0.872 8603	19828	2280	0.378 6309	8604	993
8.0	0.246 2847			0.874 8431			0.379 4913		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
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Dez. 8.0	0.246 2847	84776		0.874 8431	19153		0.379 4913	8311	
8.5	0.237 8071	84963	−9313	0.876 7584	18476	+2129	0.380 3224	8018	+927
9.0	0.229 3108	85145		0.878 6060	17798		0.381 1242	7724	
9.5	0.220 7963	85320	9352	0.880 3858	17117	1977	0.381 8966	7428	861
10.0	0.212 2643	85489		0.882 0975	16434		0.382 6394	7132	
10.5	0.203 7154	85651	9388	0.883 7409	15749	1825	0.383 3526	6835	794
11.0	0.195 1503	85807		0.885 3158	15063		0.384 0361	6537	
11.5	0.186 5696	85955	9421	0.886 8221	14375	1672	0.384 6898	6238	727
12.0	0.177 9741	86097		0.888 2596	13685		0.385 3136	5938	
12.5	0.169 3644	86233	9451	0.889 6281	12994	1518	0.385 9074	5638	660
	—			—			—		
13.0	0.160 7411	86362		0.890 9275	12301		0.386 4712	5337	
13.5	0.152 1049	86483	−9478	0.892 1576	11606	+1364	0.387 0049	5035	+593
14.0	0.143 4566	86598		0.893 3182	10910		0.387 5084	4733	
14.5	0.134 7968	86705	9502	0.894 4092	10213	1209	0.387 9817	4431	526
15.0	0.126 1263	86806		0.895 4305	9515		0.388 4248	4127	
15.5	0.117 4457	86898	9523	0.896 3820	8815	1054	0.388 8375	3824	459
16.0	0.108 7559	86984		0.897 2635	8115		0.389 2199	3519	
16.5	0.100 0575	87063	9541	0.898 0750	7414	899	0.389 5718	3215	391
17.0	0.091 3512	87134		0.898 8164	6713		0.389 8933	2910	
17.5	0.082 6378	87198	9556	0.899 4877	6010	743	0.390 1843	2604	323
	—			—			—		
18.0	0.073 9180	87254		0.900 0887	5307		0.390 4447	2299	
18.5	0.065 1926	87303	−9568	0.900 6194	4604	+ 587	0.390 6746	1994	+255
19.0	0.056 4623	87345		0.901 0798	3900		0.390 8740	1688	
19.5	0.047 7278	87380	9577	0.901 4698	3196	431	0.391 0428	1383	187
20.0	0.038 9898	87407		0.901 7894	2492		0.391 1811	1078	
20.5	0.030 2491	87427	9583	0.902 0386	1789	275	0.391 2889	772	119
21.0	0.021 5064	87440		0.902 2175	1085		0.391 3661	467	
21.5	0.012 7624	87447	9586	0.902 3260	382	+ 119	0.391 4128	162	+ 51
22.0	0.004 0177	87446		0.902 3642	321		0.391 4290	143	
	+			—			—		
22.5	0.004 7269	87439	9587	0.902 3321	1024	— 38	0.391 4147	447	— 17
	+			—			—		
23.0	0.013 4708	87425		0.902 2297	1726		0.391 3700	752	
23.5	0.022 2133	87403	−9585	0.902 0571	2428	— 194	0.391 2948	1056	— 85
24.0	0.030 9536	87375		0.901 8143	3129		0.391 1892	1360	
24.5	0.039 6911	87341	9579	0.901 5014	3829	350	0.391 0532	1664	153
25.0	0.048 4252	87300		0.901 1185	4529		0.390 8868	1967	
25.5	0.057 1552	87252	9570	0.900 6656	5228	506	0.390 6901	2270	221
26.0	0.065 8804	87198		0.900 1428	5927		0.390 4631	2573	
26.5	0.074 6002	87136	9558	0.899 5501	6625	662	0.390 2058	2876	288
27.0	0.083 3138			0.898 8876			0.389 9182		

Mittl. Äquator und Mittl. Äquinoktium 1914.0

1914	X		Red. auf 1910.0	Y		Red. auf 1910.0	Z		Red. auf 1910.0
	+			—			—		
Dez. 27.0	0.083 3138	87069		0.898 8876	7323		0.389 9182	3178	
27.5	0.092 0207	86994	—9543	0.898 1553	8020	— 818	0.389 6004	3479	—356
28.0	0.100 7201	86913		0.897 3533	8715		0.389 2525	3780	
28.5	0.109 4114	86826	9525	0.896 4818	9410	973	0.388 8745	4081	423
29.0	0.118 0940	86732		0.895 5408	10104		0.388 4664	4382	
29.5	0.126 7672	86633	9504	0.894 5304	10797	1128	0.388 0282	4683	491
30.0	0.135 4305	86526		0.893 4507	11489		0.387 5599	4983	
30.5	0.144 0831	86414	9480	0.892 3018	12180	1283	0.387 0616	5282	558
31.0	0.152 7245	86295		0.891 0838	12870		0.386 5334	5581	
31.5	0.161 3540		9454	0.889 7968		1438	0.385 9753		625
	+	86169		—	13560		—	5880	
32.0	0.169 9709	86038		0.888 4408	14248		0.385 3873	6178	
32.5	0.178 5747	85900	—9425	0.887 0160	14935	—1592	0.384 7695	6475	—692
33.0	0.187 1647	85755		0.885 5225	15621		0.384 1220	6773	
33.5	0.195 7402	85605	9393	0.883 9604	16306	1745	0.383 4447	7069	759
34.0	0.204 3007	85448		0.882 3298	16989		0.382 7378	7366	
34.5	0.212 8455		9357	0.880 6309		1898	0.382 0012		826

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A.H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Jan. 1.0	22 35 28.57	21 38.51	− 9 52 34.5	+2 45 5.3	8.20175	−140	14 54.5
1.5	22 57 7.08	21 14.30	7 7 29.2	2 47 42.7	8.20035	110	14 51.6
2.0	23 18 21.38	20 58.37	4 19 46.5	2 49 3.6	8.19925	78	14 49.3
2.5	23 39 19.75	20 50.71	− 1 30 42.9	2 49 14.8	8.19847	45	14 47.8
3.0	0 0 10.46	20 51.33	+ 1 18 31.9	2 48 19.4	8.19802	− 10	14 46.8
3.5	0 21 1.79	21 0.23	4 6 51.3	2 46 17.5	8.19792	+ 25	14 46.6
4.0	0 42 2.02	21 17.39	6 53 8.8	2 43 7.9	8.19817	60	14 47.1
4.5	1 3 19.41	21 42.70	9 36 16.7	2 38 45.7	8.19877	96	14 48.4
5.0	1 25 2.11	22 16.02	12 15 2.4	2 33 3.4	8.19973	129	14 50.3
5.5	1 47 18.13	22 57.06	14 48 5.8	+2 25 51.9	8.20102	+162	14 53.0
6.0	2 10 15.19	23 45.22	+17 13 57.7	2 16 59.9	8.20264	190	14 56.3
6.5	2 34 0.41	24 39.55	19 30 57.6	2 6 15.0	8.20454	217	15 0.3
7.0	2 58 39.96	25 38.59	21 37 12.6	1 53 25.1	8.20671	239	15 4.7
7.5	3 24 18.55	26 40.27	23 30 37.7	1 38 19.7	8.20910	259	15 9.7
8.0	3 50 58.82	27 41.82	25 8 57.4	1 20 52.2	8.21169	272	15 15.2
8.5	4 18 40.64	28 39.84	26 29 49.6	1 1 2.7	8.21441	280	15 20.9
9.0	4 47 20.48	29 30.66	27 30 52.3	0 39 0.0	8.21721	284	15 26.9
9.5	5 16 51.14	30 10.57	28 9 52.3	+0 15 3.0	8.22005	281	15 33.0
10.0	5 47 1.71	30 36.56	28 24 55.3	−0 10 17.0	8.22286	274	15 39.0
10.5	6 17 38.27	30 46.79	28 14 38.3	−0 36 21.3	8.22560	+260	15 45.0
11.0	6 48 25.06	30 41.02	+27 38 17.0	1 2 24.6	8.22820	241	15 50.6
11.5	7 19 6.08	30 20.69	26 35 52.4	1 27 40.5	8.23061	218	15 55.9
12.0	7 49 26.77	29 48.58	25 8 11.9	1 51 25.4	8.23279	191	16 0.8
12.5	8 19 15.35	29 8.39	23 16 46.5	2 13 3.9	8.23470	161	16 5.0
13.0	8 48 23.74	28 24.02	21 3 42.6	2 32 9.7	8.23631	130	16 8.6
13.5	9 16 47.76	27 39.15	18 31 32.9	2 48 25.0	8.23761	97	16 11.5
14.0	9 44 26.91	26 56.99	15 43 7.9	3 1 40.9	8.23858	64	16 13.6
14.5	10 11 23.90	26 20.03	12 41 27.0	3 11 55.3	8.23922	33	16 15.1
15.0	10 37 43.93	25 50.02	9 29 31.7	3 19 10.3	8.23955	+ 3	16 15.8
15.5	11 3 33.95	25 28.28	6 10 21.4	−3 23 31.0	8.23958	− 26	16 15.9
16.0	11 29 2.23	25 15.52	+ 2 46 50.4	3 25 3.6	8.23932	49	16 15.3
16.5	11 54 17.75	25 12.08	− 0 38 13.2	3 23 53.7	8.23883	71	16 14.2
17.0	12 19 29.83	25 18.00	4 2 6.9	3 20 6.8	8.23812	90	16 12.6
17.5	12 44 47.83	25 32.98	7 22 13.7	3 13 46.5	8.23722	106	16 10.6
18.0	13 10 20.81	25 56.39	10 36 0.2	3 4 55.2	8.23616	119	16 8.2
18.5	13 36 17.20	26 27.16	13 40 55.4	2 53 34.9	8.23497	130	16 5.6
19.0	14 2 44.36	27 3.79	16 34 30.3	2 39 46.9	8.23367	139	16 2.7
19.5	14 29 48.15	27 44.19	19 14 17.2	2 23 33.6	8.23228	146	15 59.6
20.0	14 57 32.34	28 25.71	21 37 50.8	2 5 1.4	8.23082	152	15 56.4
20.5	15 25 58.05		23 42 52.2		8.22930		15 53.1

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
		h m	h m s	s	s	° ′ ″	″
Jan. 1	O	4 1.1	22 42 46.59	−62.27	111.70	− 8 57 40.3	+ 846.2
	U	16 21.2	23 4 51.66	−61.64	109.37	− 6 6 53.5	+ 860.6
2	O	4 40.9	23 26 33.63	−61.22	107.82	− 3 13 55.9	+ 868.0
	U	17 0.3	23 48 1.81	−61.02	107.03	− 0 20 5.5	+ 869.4
3	O	5 19.6	0 9 25.41	−61.03	107.02	+ 2 33 26.1	+ 865.0
	U	17 39.1	0 30 53.68	−61.26	107.78	+ 5 25 29.4	+ 854.7
4	O	5 58.8	0 52 35.86	−61.72	109.31	+ 8 14 54.0	+ 838.4
	U	18 18.8	1 14 41.16	−62.38	111.60	+11 0 26.2	+ 815.8
5	O	6 39.4	1 37 18.65	−63.24	114.65	+13 40 44.7	+ 786.0
	U	19 0.7	2 0 37.31	−64.29	118.42	+16 14 18.2	+ 748.1
6	O	7 22.8	2 24 45.61	−65.51	122.88	+18 39 23.0	+ 700.9
	U	19 45.9	2 49 51.23	−66.86	127.94	+20 54 0.3	+ 643.2
7	O	8 10.0	3 16 0.41	−68.30	133.44	+22 55 55.7	+ 573.6
	U	20 35.2	3 43 17.37	−69.76	139.20	+24 42 40.1	+ 491.1
8	O	9 1.6	4 11 43.31	−71.19	144.90	+26 11 33.1	+ 395.0
	U	21 29.1	4 41 15.54	−72.49	150.20	+27 19 50.3	+ 285.1
9	O	9 57.6	5 11 46.92	−73.56	154.72	+28 4 53.2	+ 162.7
	U	22 26.8	5 43 5.67	−74.37	158.08	+28 24 22.9	+ 30.0
10	O	10 56.6	6 14 55.97	−74.79	159.99	+28 16 35.2	− 109.6
	U	23 26.6	6 46 59.46	−74.85	160.32	+27 40 33.1	− 251.7
11	O	11 56.5	7 18 57.28	−74.54	159.12	+26 36 14.3	− 391.5
—		—	—	—	—	—	—
12	U	0 26.1	7 50 32.17	+73.92	156.47	+25 4 34.3	− 524.4
	O	12 55.0	8 21 30.40	+73.07	152.95	+23 7 20.9	− 646.4
13	U	1 23.2	8 51 42.85	+72.06	148.88	+20 47 3.7	− 754.6
	O	13 50.5	9 21 5.23	+71.02	144.66	+18 6 41.3	− 846.9
14	U	2 17.0	9 49 37.60	+70.02	140.61	+15 9 29.8	− 922.6
	O	14 42.7	10 17 23.95	+69.11	137.03	+11 58 52.0	− 981.3
15	U	3 7.8	10 44 30.76	+68.37	134.08	+ 8 38 10.0	−1023.3
	O	15 32.3	11 11 6.54	+67.82	131.91	+ 5 10 39.8	−1049.3
16	U	3 56.5	11 37 21.08	+67.49	130.60	+ 1 39 30.4	−1059.8
	O	16 20.6	12 3 24.86	+67.41	130.16	− 1 52 16.9	−1055.7
17	U	4 44.6	12 29 28.62	+67.55	130.63	− 5 21 48.7	−1037.2
	O	17 8.8	12 55 42.94	+67.92	131.97	− 8 46 15.6	−1004.9
18	U	5 33.3	13 22 17.99	+68.49	134.11	−12 2 52.1	− 958.8
	O	17 58.4	13 49 22.96	+69.24	136.97	−15 8 53.8	− 899.0
19	U	6 24.1	14 17 5.64	+70.12	140.40	−18 1 36.5	− 825.5
	O	18 50.4	14 45 31.57	+71.08	144.18	−20 38 16.0	− 738.4
20	U	7 17.6	15 14 44.15	+72.05	148.06	−22 56 11.3	− 638.2
	O	19 45.5	15 44 42.15	+72.94	151.71	−24 52 49.5	− 525.7

Mittlerer Mittag und Mitternacht.

Datum		AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
		h m s	m s	° ′ ″	° ′ ″			′ ″
Jan.	20.0	14 57 32.34	28 25.71	−21 37 50.8	−2 5 1.4	8.23082	−152	15 56.4
	20.5	15 25 58.05	29 5.13	23 42 52.2	1 44 20.7	8.22930	157	15 53.1
	21.0	15 55 3.18	29 38.96	25 27 12.9	1 21 48.7	8.22773	163	15 49.6
	21.5	16 24 42.14	30 3.73	26 49 1.6	0 57 49.5	8.22610	168	15 46.1
	22.0	16 54 45.87	30 16.43	27 46 51.1	0 32 54.4	8.22442	172	15 42.4
	22.5	17 25 2.30	30 15.15	28 19 45.5	−0 7 40.5	8.22270	177	15 38.7
	23.0	17 55 17.45	29 59.21	28 27 26.0	+0 17 13.0	8.22093	181	15 34.9
	23.5	18 25 16.66	29 29.46	28 10 13.0	0 41 8.3	8.21912	184	15 31.0
	24.0	18 54 46.12	28 48.02	27 29 4.7	1 3 32.4	8.21728	188	15 27.0
	24.5	19 23 34.14	27 57.83	26 25 32.3	+1 23 59.8	8.21540	−190	15 23.0
	25.0	19 51 31.97	27 2.26	−25 1 32.5	1 42 13.9	8.21350	190	15 19.0
	25.5	20 18 34.23	26 4.56	23 19 18.6	1 58 6.7	8.21160	189	15 15.0
	26.0	20 44 38.79	25 7.57	21 21 11.9	2 11 36.8	8.20971	185	15 11.0
	26.5	21 9 46.36	24 13.60	19 9 35.1	2 22 48.6	8.20786	179	15 7.1
	27.0	21 33 59.96	23 24.37	16 46 46.5	2 31 50.7	8.20607	171	15 3.4
	27.5	21 57 24.33	22 41.11	14 14 55.8	2 38 53.2	8.20436	160	14 59.9
	28.0	22 20 5.44	22 4.59	11 36 2.6	2 44 6.8	8.20276	146	14 56.6
	28.5	22 42 10.03	21 35.30	8 51 55.8	2 47 41.4	8.20130	128	14 53.6
	29.0	23 3 45.33	21 13.48	6 4 14.4	2 49 46.6	8.20002	107	14 50.9
	29.5	23 24 58.81	20 59.29	3 14 27.8	+2 50 30.7	8.19895	− 84	14 48.7
	30.0	23 45 58.10	20 52.80	− 0 23 57.1	2 49 59.4	8.19811	59	14 47.0
	30.5	0 6 50.90	20 54.04	+ 2 26 2.3	2 48 16.0	8.19752	− 31	14 45.7
	31.0	0 27 44.94	21 3.02	5 14 18.3	2 45 22.7	8.19721	0	14 45.0
	31.5	0 48 47.96	21 19.71	7 59 41.0	2 41 19.4	8.19721	+ 32	14 45.0
Febr.	1.0	1 10 7.67	21 44.06	10 41 0.4	2 36 2.8	8.19753	65	14 45.8
	1.5	1 31 51.73	22 15.93	13 17 3.2	2 29 27.6	8.19818	98	14 47.2
	2.0	1 54 7.66	22 55.01	15 46 30.8	2 21 27.1	8.19916	134	14 49.2
	2.5	2 17 2.67	23 40.77	18 7 57.9	2 11 52.2	8.20050	167	14 51.9
	3.0	2 40 43.44	24 32.33	20 19 50.1	2 0 32.9	8.20217	200	14 55.3
	3.5	3 5 15.77	25 28.39	22 20 23.0	+1 47 18.9	8.20417	+231	14 59.5
	4.0	3 30 44.16	26 27.06	+24 7 41.9	1 32 1.0	8.20648	259	15 4.3
	4.5	3 57 11.22	27 25.86	25 39 42.9	1 14 33.5	8.20907	284	15 9.7
	5.0	4 24 37.08	28 21.82	26 54 16.4	0 54 54.9	8.21191	307	15 15.7
	5.5	4 52 58.90	29 11.61	27 49 11.3	0 33 11.5	8.21498	321	15 22.1
	6.0	5 22 10.51	29 51.93	28 22 22.8	+0 9 38.5	8.21819	332	15 29.0
	6.5	5 52 2.44	30 19.98	28 32 1.3	−0 15 19.3	8.22151	336	15 36.1
	7.0	6 22 22.42	30 33.96	28 16 42.0	0 41 8.2	8.22487	335	15 43.4
	7.5	6 52 56.38	30 33.46	27 35 33.8	1 7 8.2	8.22822	324	15 50.7
	8.0	7 23 29.84	30 19.47	26 28 25.6	1 32 35.9	8.23146	308	15 57.8
	8.5	7 53 49.31		24 55 49.7		8.23454		16 4.6

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1ʰ Länge	Dekl.	Bew. in 1ʰ Länge
	h m	h m s	s	s	° ′ ″	″
Jan. 20 *U*	7 17.6	15 14 44.15	+72.05	148.06	−22 56 11.3	−638.2
O	19 45.5	15 44 42.15	+72.94	151.71	−24 52 49.5	−525.7
21 *U*	8 14.1	16 15 20.88	+73.67	154.76	−26 25 53.2	−402.7
O	20 43.2	16 46 31.13	+74.16	156.86	−27 33 30.0	−271.6
22 *U*	9 12.6	17 17 59.73	+74.33	157.72	−28 14 21.8	−135.8
O	21 42.1	17 49 30.66	+74.16	157.16	−28 27 54.9	+ 0.9
23 *U*	10 11.3	18 20 46.72	+73.65	155.18	−28 14 22.9	+134.4
O	22 40.0	18 51 31.48	+72.82	151.92	−27 34 47.1	+260.8
24 *U*	11 8.0	19 21 30.89	+71.73	147.64	−26 30 50.5	+377.3
O	23 35.0	19 50 34.62	+70.46	142.66	−25 4 46.8	+481.7
25 *U*	12 1.0	20 18 36.42	+69.07	137.35	−23 19 9.5	+572.7
—	—	—	—	—	—	—
26 *O*	0 25.9	20 45 34.04	−67.67	132.23	−21 16 40.9	+650.2
U	12 49.8	21 11 28.53	−66.30	127.10	−19 0 2.8	+714.4
27 *O*	1 12.7	21 36 23.84	−65.04	122.38	−16 31 49.5	+766.1
U	13 34.7	22 0 25.61	−63.90	118.19	−13 54 24.2	+806.5
28 *O*	1 55.9	22 23 40.94	−62.93	114.62	−11 9 56.1	+836.7
U	14 16.5	22 46 17.59	−62.14	111.72	− 8 20 22.4	+857.6
29 *O*	2 36.6	23 8 23.82	−61.54	109.52	− 5 27 27.4	+870.4
U	14 56.3	23 30 8.12	−61.15	108.04	− 2 32 44.3	+875.7
30 *O*	3 15.8	23 51 39.03	−60.97	107.27	+ 0 22 22.1	+874.3
U	15 35.2	0 13 5.18	−60.99	107.20	+ 3 16 33.5	+866.5
31 *O*	3 54.6	0 34 35.19	−61.22	107.87	+ 6 8 34.4	+852.6
U	16 14.3	0 56 17.69	−61.67	109.26	+ 8 57 11.6	+832.5
Febr. 1 *O*	4 34.4	1 18 21.31	−62.31	111.36	+11 41 9.6	+806.0
U	16 54.9	1 40 54.59	−63.13	114.18	+14 19 8.3	+772.5
2 *O*	5 16.0	2 4 6.00	−64.14	117.68	+16 49 40.8	+731.4
U	17 38.0	2 28 3.51	−65.31	121.83	+19 11 9.6	+681.8
3 *O*	6 0.8	2 52 54.45	−66.61	126.55	+21 21 46.4	+622.5
U	18 24.6	3 18 45.01	−68.00	131.73	+23 19 28.8	+552.5
4 *O*	6 49.5	3 45 39.47	−69.42	137.18	+25 2 2.5	+470.8
U	19 15.4	4 13 39.63	−70.82	142.65	+26 27 2.1	+376.6
5 *O*	7 42.4	4 42 44.04	−72.11	147.83	+27 31 56.3	+269.8
U	20 10.5	5 12 47.20	−73.23	152.40	+28 14 16.6	+151.1
6 *O*	8 39.3	5 43 39.50	−74.08	156.01	+28 31 47.7	+ 21.9
U	21 8.7	6 15 7.61	−74.62	158.37	+28 22 40.1	−114.9
7 *O*	9 38.4	6 46 55.40	−74.81	159.33	+27 45 42.8	−255.8
U	22 8.2	7 18 45.81	−74.65	158.86	+26 40 32.6	−396.3
8 *O*	10 37.8	7 50 22.65	−74.19	157.14	+25 7 39.5	−532.2
U	23 6.9	8 21 32.39	−73.50	154.44	+23 8 25.5	−659.1

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Febr. 8.0	7 23 29.84	30 19.47	+26 28 25.6	−1 32 35.9	8.23146	+308	15 57.8
8.5	7 53 49.31	29 54.36	24 55 49.7	1 56 48.6	8.23454	284	16 4.6
9.0	8 23 43.67	29 21.28	22 59 1.1	2 19 8.0	8.23738	253	16 11.0
9.5	8 53 4.95	28 43.84	20 39 53.1	2 39 2.2	8.23991	217	16 16.6
10.0	9 21 48.79	28 5.47	18 0 50.9	2 56 6.9	8.24208	174	16 21.5
10.5	9 49 54.26	27 29.21	15 4 44.0	3 10 5.1	8.24382	129	16 25.5
11.0	10 17 23.47	26 57.50	11 54 38.9	3 20 47.3	8.24511	82	16 28.4
11.5	10 44 20.97	26 32.22	8 33 51.6	3 28 8.4	8.24593	+ 34	16 30.3
12.0	11 10 53.19	26 14.61	5 5 43.2	3 32 8.8	8.24627	− 14	16 31.0
12.5	11 37 7.80	26 5.41	+ 1 33 34.4	−3 32 51.9	8.24613	− 59	16 30.7
13.0	12 3 13.21	26 4.93	− 1 59 17.5	3 30 23.1	8.24554	101	16 29.4
13.5	12 29 18.14	26 13.04	5 29 40.6	3 24 49.0	8.24453	137	16 27.1
14.0	12 55 31.18	26 29.29	8 54 29.6	3 16 17.7	8.24316	170	16 24.0
14.5	13 22 0.47	26 52.73	12 10 47.3	3 4 57.3	8.24146	195	16 20.1
15.0	13 48 53.20	27 21.98	15 15 44.6	2 50 56.3	8.23951	216	16 15.7
15.5	14 16 15.18	27 55.15	18 6 40.9	2 34 25.0	8.23735	231	16 10.9
16.0	14 44 10.33	28 29.86	20 41 5.9	2 15 35.5	8.23504	241	16 5.7
16.5	15 12 40.19	29 3.20	22 56 41.4	1 54 43.3	8.23263	246	16 0.4
17.0	15 41 43.39	29 32.07	24 51 24.7	1 32 7.9	8.23017	248	15 55.0
17.5	16 11 15.46	29 53.36	26 23 32.6	−1 8 13.6	8.22769	−246	15 49.5
18.0	16 41 8.82	30 4.30	−27 31 46.2	0 43 30.0	8.22523	242	15 44.2
18.5	17 11 13.12	30 3.04	28 15 16.2	−0 18 30.0	8.22281	235	15 38.9
19.0	17 41 16.16	29 48.77	28 33 46.2	+0 6 12.2	8.22046	227	15 33.9
19.5	18 11 4.93	29 22.02	28 27 34.0	0 30 3.7	8.21819	218	15 29.0
20.0	18 40 26.95	28 44.36	27 57 30.3	0 52 35.6	8.21601	209	15 24.3
20.5	19 9 11.31	27 58.28	27 4 54.7	1 13 24.9	8.21392	200	15 19.9
21.0	19 37 9.59	27 6.64	25 51 29.8	1 32 15.2	8.21192	189	15 15.7
21.5	20 4 16.23	26 12.34	24 19 14.6	1 48 57.7	8.21003	180	15 11.7
22.0	20 30 28.57	25 18.01	22 30 16.9	2 3 29.3	8.20823	170	15 7.9
22.5	20 55 46.58	24 25.90	20 26 47.6	+2 15 51.5	8.20653	− 160	15 4.4
23.0	21 20 12.48	23 37.66	−18 10 56.1	2 26 8.9	8.20493	150	15 1.1
23.5	21 43 50.14	22 54.55	15 44 47.2	2 34 28.6	8.20343	138	14 57.9
24.0	22 6 44.69	22 17.41	13 10 18.6	2 40 58.2	8.20205	127	14 55.1
24.5	22 29 2.10	21 46.77	10 29 20.4	2 45 45.5	8.20078	115	14 52.5
25.0	22 50 48.87	21 22.97	7 43 34.9	2 48 57.8	8.19963	101	14 50.1
25.5	23 12 11.84	21 6.11	4 54 37.1	2 50 41.5	8.19862	86	14 48.1
26.0	23 33 17.95	20 56.30	− 2 3 55.6	2 51 1.9	8.19776	70	14 46.3
26.5	23 54 14.25	20 53.58	+ 0 47 6.3	2 50 2.8	8.19706	51	14 44.9
27.0	0 15 7.83	20 57.88	3 37 9.1	2 47 46.8	8.19655	30	14 43.8
27.5	0 36 5.71		6 24 55.9		8.19625		14 43.2

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge
	h m	h m s	s	s	° ′ ″	″
Febr. 8 O	10 37.8	7 50 22.65	−74.19	157.14	+25 7 39.5	− 532.2
U	23 6.9	8 21 32.39	−73.50	154.44	+23 8 25.5	− 659.1
9 O	11 35.4	8 52 5.43	−72.65	151.11	+20 44 59.2	− 773.7
—	—	—	—	—	—	—
10 U	0 3.2	9 21 56.38	−71.73	147.51	+18 0 6.1	− 873.1
O	12 30.3	9 51 4.37	+70.84	143.84	+14 56 59.8	− 955.5
11 U	0 56.7	10 19 31.94	+70.04	140.68	+11 39 10.7	−1019.9
O	13 22.5	10 47 24.66	+69.38	138.09	+ 8 10 18.7	−1066.0
12 U	1 47.9	11 14 50.14	+68.91	136.19	+ 4 34 5.7	−1093.4
O	14 13.0	11 41 57.43	+68.63	135.09	+ 0 54 12.5	−1102.7
13 U	2 38.0	12 8 56.27	+68.53	134.83	− 2 45 45.9	−1094.2
O	15 2.9	12 35 56.65	+68.77	135.41	− 6 22 21.4	−1068.8
14 U	3 28.1	13 3 8.45	+69.16	136.76	− 9 52 13.5	−1027.1
O	15 53.6	13 30 40.74	+69.72	138.84	−13 12 10.0	− 969.5
15 U	4 19.5	13 58 41.46	+70.43	141.50	−16 19 6.8	− 897.2
O	16 46.1	14 27 16.66	+71.25	144.57	−19 10 9.0	− 810.6
16 U	5 13.3	14 56 30.02	+72.09	147.82	−21 42 32.1	− 710.8
O	17 41.1	15 26 22.01	+72.89	150.96	−23 53 45.3	− 599.0
17 U	6 9.5	15 56 49.57	+73.56	153.67	−25 41 36.6	− 477.4
O	18 38.4	16 27 45.69	+74.06	155.63	−27 4 18.9	− 347.9
18 U	7 7.6	16 58 59.71	+74.28	156.55	−28 0 37.2	− 213.8
O	19 36.8	17 30 18.04	+74.19	156.27	−28 29 54.4	− 78.7
19 U	8 5.9	18 1 25.65	+73.77	154.71	−28 32 15.4	+ 54.9
O	20 34.5	18 32 7.54	+73.05	151.95	−28 8 27.0	+ 182.7
20 U	9 2.5	19 2 10.30	+72.08	148.18	−27 19 52.9	+ 302.0
O	21 29.7	19 31 23.40	+70.90	143.68	−26 8 27.0	+ 411.0
21 U	9 55.9	19 59 39.77	+69.60	138.76	−24 36 23.5	+ 508.0
O	22 21.2	20 26 55.99	+68.23	133.69	−22 46 9.0	+ 592.7
22 U	10 45.4	20 53 11.77	+66.88	128.72	−20 40 12.1	+ 665.1
O	23 8.6	21 18 29.59	+65.60	124.07	−18 20 59.4	+ 725.4
23 U	11 31.0	21 42 53.96	+64.42	119.86	−15 50 50.5	+ 774.5
O	23 52.6	22 6 30.79	+63.38	116.18	−13 11 56.0	+ 813.1
24 U	12 13.5	22 29 26.90	+62.50	113.20	−10 26 16.0	+ 842.2
—	—	—	—	—	—	—
25 O	0 33.9	22 51 49.69	−61.80	110.77	− 7 35 41.6	+ 862.3
U	12 53.8	23 13 46.92	−61.29	108.95	− 4 41 54.4	+ 874.3
26 O	1 13.4	23 35 26.40	−60.97	107.79	− 1 46 28.6	+ 878.8
U	13 32.9	23 56 56.02	−60.85	107.27	+ 1 9 7.7	+ 876.1
27 O	1 52.3	0 18 23.63	−60.93	107.42	+ 4 3 30.6	+ 866.6
U	14 11.9	0 39 57.10	−61.19	108.23	+ 6 55 19.0	+ 850.3

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Febr. 27.0	0 15 7.83	20 57.88	+ 3 37 9.1	+2 47 46.8	8.19655	− 30	14 43.8
27.5	0 36 5.71	21 9.19	6 24 55.9	2 44 15.3	8.19625	− 8	14 43.2
28.0	0 57 14.90	21 27.42	9 9 11.2	2 39 27.2	8.19617	+ 16	14 43.1
28.5	1 18 42.32	21 52.44	11 48 38.4	2 33 20.8	8.19633	43	14 43.4
März 1.0	1 40 34.76	22 23.99	14 21 59.2	2 25 52.0	8.19676	70	14 44.3
1.5	2 2 58.75	23 1.68	16 47 51.2	2 16 56.0	8.19746	99	14 45.7
2.0	2 26 0.43	23 44.87	19 4 47.2	2 6 26.6	8.19845	130	14 47.7
2.5	2 49 45.30	24 32.58	21 11 13.8	1 54 17.7	8.19975	160	14 50.4
3.0	3 14 17.88	25 23.54	23 5 31.5	1 40 22.5	8.20135	191	14 53.7
3.5	3 39 41.42	26 15.91	24 45 54.0	+1 24 36.1	8.20326	+222	14 57.6
4.0	4 5 57.33	27 7.54	+26 10 30.1	1 6 56.3	8.20548	252	15 2.2
4.5	4 33 4.87	27 55.89	27 17 26.4	0 47 25.0	8.20800	279	15 7.4
5.0	5 1 0.76	28 38.28	28 4 51.4	0 26 9.8	8.21079	304	15 13.3
5.5	5 29 39.04	29 12.14	28 31 1.2	+0 3 24.5	8.21383	327	15 19.7
6.0	5 58 51.18	29 35.55	28 34 25.7	−0 20 30.0	8.21710	344	15 26.7
6.5	6 28 26.73	29 47.30	28 13 55.7	0 45 6.1	8.22054	356	15 34.0
7.0	6 58 14.03	29 47.37	27 28 49.6	1 9 52.9	8.22410	363	15 41.7
7.5	7 28 1.40	29 36.74	26 18 56.7	1 34 15.9	8.22773	362	15 49.6
8.0	7 57 38.14	29 17.50	24 44 40.8	1 57 40.9	8.23135	353	15 57.6
8.5	8 26 55.64	28 52.21	22 46 59.9	−2 19 35.6	8.23488	+337	16 5.4
9.0	8 55 47.85	28 23.89	+20 27 24.3	2 39 31.2	8.23825	312	16 12.9
9.5	9 24 11.74	27 55.34	17 47 53.1	2 57 2.0	8.24137	280	16 19.9
10.0	9 52 7.08	27 29.17	14 50 51.1	3 11 46.7	8.24417	239	16 26.3
10.5	10 19 36.25	27 7.55	11 39 4.4	3 23 28.2	8.24656	193	16 31.7
11.0	10 46 43.80	26 52.12	8 15 36.2	3 31 53.2	8.24849	140	16 36.1
11.5	11 13 35.92	26 43.99	4 43 43.0	3 36 51.5	8.24989	83	16 39.3
12.0	11 40 19.91	26 43.91	+ 1 6 51.5	3 38 16.6	8.25072	+ 26	16 41.3
12.5	12 7 3.82	26 52.08	− 2 31 25.1	3 36 5.8	8.25098	− 33	16 41.9
13.0	12 33 55.90	27 8.24	6 7 30.9	3 30 19.8	8.25065	91	16 41.1
13.5	13 1 4.14	27 31.69	9 37 50.7	−3 21 2.4	8.24974	−141	16 39.0
14.0	13 28 35.83	28 1.15	−12 58 53.1	3 8 22.1	8.24833	187	16 35.8
14.5	13 56 36.98	28 34.75	16 7 15.2	2 52 30.5	8.24646	229	16 31.5
15.0	14 25 11.73	29 10.04	18 59 45.7	2 33 44.0	8.24417	263	16 26.3
15.5	14 54 21.77	29 43.99	21 33 29.7	2 12 24.1	8.24154	288	16 20.3
16.0	15 24 5.76	30 13.28	23 45 53.8	1 48 57.7	8.23866	307	16 13.8
16.5	15 54 19.04	30 34.56	25 34 51.5	1 23 57.0	8.23559	319	16 7.0
17.0	16 24 53.60	30 44.91	26 58 48.5	0 57 58.6	8.23240	323	15 59.9
17.5	16 55 38.51	30 42.26	27 56 47.1	0 31 41.9	8.22917	322	15 52.8
18.0	17 26 20.77	30 25.79	28 28 29.0	−0 5 47.1	8.22595	316	15 45.7
18.5	17 56 46.56		28 34 16.1		8.22279		15 38.9

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge
		h m	h m s	s	s	° ′ ″	″
Febr. 27	O	1 52.3	0 18 23.63	−60.93	107.42	+ 4 3 30.6	+ 866.6
	U	14 11.9	0 39 57.10	−61.19	108.23	+ 6 55 19.0	+ 850.3
28	O	2 31.7	1 1 44.27	−61.65	109.67	+ 9 43 12.5	+ 827.3
	U	14 51.8	1 23 52.88	−62.30	111.76	+12 25 49.5	+ 797.4
März 1	O	3 12.3	1 46 30.45	−63.12	114.48	+15 1 44.6	+ 760.4
	U	15 33.5	2 9 44.37	−64.09	117.79	+17 29 28.2	+ 715.4
2	O	3 55.5	2 33 41.51	−65.19	121.64	+19 47 22.3	+ 662.0
	U	16 18.2	2 58 27.70	−66.41	125.97	+21 53 42.5	+ 599.5
3	O	4 41.8	3 24 8.07	−67.69	130.63	+23 46 34.6	+ 527.1
	U	17 6.4	3 50 45.70	−69.00	135.47	+25 23 56.6	+ 444.4
4	O	5 32.0	4 18 21.49	−70.27	140.29	+26 43 40.6	+ 350.7
	U	17 58.5	4 46 53.53	−71.44	144.82	+27 43 36.1	+ 246.2
5	O	6 25.8	5 16 16.73	−72.44	148.79	+28 21 37.3	+ 131.8
	U	18 53.8	5 46 22.69	−73.22	151.94	+28 35 50.6	+ 8.5
6	O	7 22.4	6 17 0.24	−73.73	154.06	+28 24 43.1	− 121.3
	U	19 51.3	6 47 56.14	−73.93	155.04	+27 47 12.8	− 255.0
7	O	8 20.3	7 18 56.63	−73.86	154.87	+26 42 53.3	− 388.9
	U	20 49.1	7 49 48.62	−73.53	153.69	+25 12 0.5	− 519.8
8	O	9 17.6	8 20 21.25	−72.99	151.71	+23 15 31.3	− 644.3
	U	21 45.6	8 50 26.69	−72.33	149.23	+20 55 2.1	− 759.3
9	O	10 13.1	9 20 0.74	−71.61	146.53	+18 12 43.7	− 862.1
	U	22 40.1	9 49 2.62	−70.92	143.91	+15 11 16.2	− 950.4
10	O	11 6.6	10 17 34.82	−70.31	141.61	+11 53 43.7	−1022.6
	U	23 32.7	10 45 42.46	−69.84	139.82	+ 8 23 29.3	−1077.1
11	O	11 58.5	11 13 32.60	−69.54	138.69	+ 4 44 9.7	−1113.2
—	—	—	—	—	—	—	—
12	U	0 24.2	11 41 13.66	+69.44	138.31	+ 0 59 32.3	−1129.9
	O	12 49.8	12 8 54.99	+69.55	138.74	− 2 46 28.5	−1127.0
13	U	1 15.6	12 36 45.98	+69.89	139.96	− 6 29 56.3	−1104.2
	O	13 41.7	13 4 55.94	+70.41	141.91	−10 6 53.8	−1061.9
14	U	2 8.3	13 33 33.12	+71.10	144.50	−13 33 28.7	−1000.5
	O	14 35.4	14 2 44.24	+71.91	147.57	−16 45 56.9	− 920.8
15	U	3 3.2	14 32 33.73	+72.77	150.87	−19 40 46.5	− 824.3
	O	15 31.7	15 3 2.83	+73.61	154.11	−22 14 44.2	− 712.5
16	U	4 0.7	15 34 9.05	+74.36	156.97	−24 25 1.6	− 587.9
	O	16 30.3	16 5 45.74	+74.91	159.10	−26 9 22.2	− 453.5
17	U	5 0.2	16 37 42.19	+75.20	160.18	−27 26 10.0	− 313.0
	O	17 30.1	17 9 44.38	+75.18	159.97	−28 14 34.6	− 170.3
18	U	5 59.9	17 41 36.49	+74.80	158.41	−28 34 34.2	− 29.5
	O	18 29.3	18 13 2.29	+74.10	155.55	−28 26 54.9	+ 105.5

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
März 18.0	17 26 20.77	30 25.79	−28 28 29.0	−0 5 47.1	8.22595	−316	15 45.7
18.5	17 56 46.56	29 56.11	28 34 16.1	+0 19 10.6	8.22279	305	15 38.9
19.0	18 26 42.67	29 15.03	28 15 5.5	0 42 39.9	8.21974	291	15 32.3
19.5	18 55 57.70	28 25.23	27 32 25.6	1 4 18.4	8.21683	275	15 26.1
20.0	19 24 22.93	27 29.81	26 28 7.2	1 23 51.3	8.21408	257	15 20.2
20.5	19 51 52.74	26 31.89	25 4 15.9	1 41 11.9	8.21151	237	15 14.8
21.0	20 18 24.63	25 34.27	23 23 4.0	1 56 19.8	8.20914	217	15 9.8
21.5	20 43 58.90	24 39.17	21 26 44.2	2 9 18.6	8.20697	197	15 5.3
22.0	21 8 38.07	23 48.34	19 17 25.6	2 20 15.4	8.20500	177	15 1.2
22.5	21 32 26.41	23 2.96	16 57 10.2	+2 29 17.9	8.20323	−157	14 57.5
23.0	21 55 29.37	22 23.83	−14 27 52.3	2 36 34.0	8.20166	138	14 54.3
23.5	22 17 53.20	21 51.40	11 51 18.3	2 42 11.5	8.20028	120	14 51.5
24.0	22 39 44.60	21 25.93	9 9 6.8	2 46 17.3	8.19908	101	14 49.0
24.5	23 1 10.53	21 7.45	6 22 49.5	2 48 56.4	8.19807	84	14 46.9
25.0	23 22 17.98	20 55.99	3 33 53.1	2 50 12.8	8.19723	67	14 45.2
25.5	23 43 13.97	20 51.49	−0 43 40.3	2 50 9.2	8.19656	50	14 43.9
26.0	0 4 5.46	20 53.83	+2 6 28.9	2 48 47.0	8.19606	32	14 42.8
26.5	0 24 59.29	21 2.93	4 55 15.9	2 46 6.0	8.19574	−15	14 42.2
27.0	0 46 2.22	21 18.59	7 41 21.9	2 42 5.4	8.19559	+2	14 41.9
27.5	1 7 20.81	21 40.60	10 23 27.3	+2 36 42.9	8.19561	+20	14 41.9
28.0	1 29 1.41	22 8.68	+13 0 10.2	2 29 55.4	8.19581	40	14 42.3
28.5	1 51 10.09	22 42.37	15 30 5.6	2 21 38.8	8.19621	61	14 43.1
29.0	2 13 52.46	23 21.03	17 51 44.4	2 11 48.9	8.19682	81	14 44.4
29.5	2 37 13.49	24 3.73	20 3 33.3	2 0 21.5	8.19763	104	14 46.0
30.0	3 1 17.22	24 49.33	22 3 54.8	1 47 12.7	8.19867	128	14 48.2
30.5	3 26 6.55	25 36.24	23 51 7.5	1 32 20.5	8.19995	151	14 50.8
31.0	3 51 42.79	26 22.57	25 23 28.0	1 15 44.8	8.20146	177	14 53.9
31.5	4 18 5.36	27 6.20	26 39 12.8	0 57 29.2	8.20323	202	14 57.5
April 1.0	4 45 11.56	27 44.91	27 36 42.0	0 37 40.7	8.20525	228	15 1.7
1.5	5 12 56.47	28 16.52	28 14 22.7	+0 16 31.5	8.20753	+254	15 6.5
2.0	5 41 12.99	28 39.36	+28 30 54.2	−0 5 40.4	8.21007	276	15 11.8
2.5	6 9 52.35	28 52.35	28 25 13.8	0 28 34.5	8.21283	297	15 17.6
3.0	6 38 44.70	28 55.26	27 56 39.3	0 51 46.5	8.21580	317	15 23.9
3.5	7 7 39.96	28 48.84	27 4 52.8	1 14 50.2	8.21897	333	15 30.7
4.0	7 36 28.80	28 34.59	25 50 2.6	1 37 20.1	8.22230	345	15 37.8
4.5	8 5 3.39	28 14.64	24 12 42.5	1 58 51.5	8.22575	351	15 45.3
5.0	8 33 18.03	27 51.48	22 13 51.0	2 19 2.1	8.22926	351	15 53.0
5.5	9 1 9.51	27 27.60	19 54 48.9	2 37 31.5	8.23277	345	16 0.7
6.0	9 28 37.11	27 5.46	17 17 17.4	2 54 1.2	8.23622	330	16 8.4
6.5	9 55 42.57		14 23 16.2		8.23952		16 15.8

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge
		h m	h m s	s	s	° ′ ″	″
März 18	U	5 59.9	17 41 36.49	+74.80	158.41	−28 34 34.2	− 29.5
	O	18 29.3	18 13 2.29	+74.10	155.55	−28 26 54.9	+105.5
19	U	6 58.0	18 43 47.30	+73.11	151.60	−27 53 4.2	+231.9
	O	19 25.9	19 13 40.00	+71.89	146.84	−26 55 1.8	+347.2
20	U	7 52.7	19 42 32.56	+70.53	141.60	−25 35 8.3	+450.2
	O	20 18.5	20 10 21.05	+69.09	136.20	−23 55 55.1	+540.3
21	U	8 43.2	20 37 5.08	+67.66	130.91	−21 59 55.1	+618.0
	O	21 6.8	21 2 47.13	+66.28	125.92	−19 49 36.2	+683.6
22	U	9 29.5	21 27 31.88	+65.00	121.39	−17 27 17.3	+738.1
	O	21 51.4	21 51 25.44	+63.86	117.41	−14 55 7.3	+782.2
23	U	10 12.5	22 14 34.84	+62.87	114.07	−12 15 4.3	+817.0
	O	22 33.1	22 37 7.73	+62.07	111.37	− 9 28 56.8	+843.1
24	U	10 53.1	22 59 11.92	+61.45	109.32	− 6 38 24.6	+861.1
	O	23 12.8	23 20 55.29	+61.02	107.93	− 3 45 1.0	+871.6
25	U	11 32.3	23 42 25.73	+60.79	107.20	− 0 50 14.1	+875.0
	O	23 51.7	0 3 50.98	+60.75	107.10	+ 2 4 31.2	+871.3
26	U	12 11.1	0 25 18.70	−60.90	107.60	+ 4 57 51.0	+860.7
—	—	—	—	—	—	—	—
27	O	0 30.7	0 46 56.40	−61.24	108.73	+ 7 48 22.1	+843.2
	U	12 50.6	1 8 51.43	−61.75	110.46	+10 34 39.8	+818.4
28	O	1 10.9	1 31 10.90	−62.43	112.78	+13 15 15.6	+786.1
	U	13 31.7	1 54 1.65	−63.27	115.64	+15 48 37.7	+746.0
29	O	1 53.2	2 17 29.99	−64.25	119.01	+18 13 9.0	+697.5
	U	14 15.3	2 41 41.46	−65.33	122.80	+20 27 6.0	+640.2
30	O	2 38.3	3 6 40.62	−66.49	126.93	+22 28 40.2	+573.6
	U	15 2.1	3 32 30.58	−67.69	131.24	+24 15 57.0	+497.2
31	O	3 26.7	3 59 12.51	−68.87	135.57	+25 46 59.4	+411.1
	U	15 52.2	4 26 45.32	−69.98	139.69	+26 59 49.8	+315.3
April 1	O	4 18.5	4 55 5.24	−70.97	143.40	+27 52 35.1	+210.3
	U	16 45.5	5 24 5.83	−71.77	146.46	+28 23 31.8	+ 97.3
2	O	5 13.0	5 53 38.14	−72.35	148.69	+28 31 13.1	− 21.9
	U	17 40.8	6 23 31.38	−72.69	149.97	+28 14 35.3	−145.5
3	O	6 8.8	6 53 33.80	−72.75	150.27	+27 33 2.2	−270.8
	U	18 36.8	7 23 34.01	−72.59	149.65	+26 26 28.1	−395.2
4	O	7 4.5	7 53 21.88	−72.23	148.27	+24 55 19.4	−516.1
	U	19 31.9	8 22 49.70	−71.73	146.36	+23 0 32.4	−631.2
5	O	7 58.9	8 51 52.56	−71.14	144.17	+20 43 30.9	−738.2
	U	20 25.5	9 20 28.70	−70.54	141.95	+18 6 2.5	−835.3
6	O	8 51.6	9 48 39.29	−70.00	139.94	+15 10 16.3	−920.9
	U	21 17.4	10 16 28.07	−69.55	138.34	+11 58 40.0	−993.4

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ' "	° ' "			' "
April 6.0	9 28 37.11	27 5.46	+17 17 17.4	−2 54 1.2	8.23622	+330	16 8.4
6.5	9 55 42.57	26 47.10	14 23 16.2	3 8 13.8	8.23952	307	16 15.8
7.0	10 22 29.67	26 34.28	11 15 2.4	3 19 53.2	8.24259	277	16 22.7
7.5	10 49 3.95	26 28.32	7 55 9.2	3 28 43.3	8.24536	239	16 29.0
8.0	11 15 32.27	26 30.22	4 26 25.9	3 34 29.0	8.24775	193	16 34.4
8.5	11 42 2.49	26 40.52	+0 51 56.9	3 36 55.6	8.24968	141	16 38.9
9.0	12 8 43.01	26 59.36	−2 44 58.7	3 35 51.0	8.25109	83	16 42.1
9.5	12 35 42.37	27 26.43	6 20 49.7	3 31 4.5	8.25192	+24	16 44.0
10.0	13 3 8.80	28 0.85	9 51 54.2	3 22 30.4	8.25216	−37	16 44.6
10.5	13 31 9.65		13 14 24.6		8.25179		16 43.7
		28 41.03		−3 10 7.5		−96	
11.0	13 59 50.68	29 24.69	−16 24 32.1	2 54 1.5	8.25083	153	16 41.5
11.5	14 29 15.37	30 8.73	19 18 33.6	2 34 27.4	8.24930	204	16 38.0
12.0	14 59 24.10	30 49.33	21 53 1.0	2 11 48.3	8.24726	250	16 33.3
12.5	15 30 13.43	31 22.39	24 4 49.3	1 46 37.8	8.24476	288	16 27.6
13.0	16 1 35.82	31 43.88	25 51 27.1	1 19 39.0	8.24188	318	16 21.1
13.5	16 33 19.70	31 50.57	27 11 6.1	0 51 41.2	8.23870	339	16 13.9
14.0	17 5 10.27	31 40.65	28 2 47.3	−0 23 37.2	8.23531	353	16 6.3
14.5	17 36 50.92	31 14.08	28 26 24.5	+0 3 42.1	8.23178	359	15 58.5
15.0	18 8 5.00	30 32.54	28 22 42.4	0 29 33.5	8.22819	358	15 50.6
15.5	18 38 37.54		27 53 8.9		8.22461		15 42.8
		29 39.14		+0 53 23.6		−350	
16.0	19 8 16.68	28 37.68	−26 59 45.3	1 14 50.8	8.22111	337	15 35.3
16.5	19 36 54.36	27 32.13	25 44 54.5	1 33 45.4	8.21774	319	15 28.0
17.0	20 4 26.49	26 26.07	24 11 9.1	1 50 7.3	8.21455	299	15 21.2
17.5	20 30 52.56	25 22.43	22 21 1.8	2 4 2.2	8.21156	275	15 14.9
18.0	20 56 14.99	24 23.40	20 16 59.6	2 15 41.3	8.20881	250	15 9.1
18.5	21 20 38.39	23 30.49	18 1 18.3	2 25 16.2	8.20631	223	15 3.9
19.0	21 44 8.88	22 44.63	15 36 2.1	2 32 59.7	8.20408	196	14 59.3
19.5	22 6 53.51	22 6.29	13 3 2.4	2 39 2.6	8.20212	168	14 55.2
20.0	22 28 59.80	21 35.71	10 23 59.8	2 43 34.4	8.20044	141	14 51.8
20.5	22 50 35.51		7 40 25.4		8.19903		14 48.9
		21 12.89		+2 46 42.4		−115	
21.0	23 11 48.40	20 57.75	−4 53 43.0	2 48 32.0	8.19788	90	14 46.6
21.5	23 32 46.15	20 50.11	−2 5 11.0	2 49 6.5	8.19698	66	14 44.7
22.0	23 53 36.26	20 49.82	+0 43 55.5	2 48 26.8	8.19632	44	14 43.4
22.5	0 14 26.08	20 56.67	3 32 22.3	2 46 32.6	8.19588	21	14 42.5
23.0	0 35 22.75	21 10.41	6 18 54.9	2 43 21.9	8.19567	−1	14 42.0
23.5	0 56 33.16	21 30.81	9 2 16.8	2 38 51.1	8.19566	+18	14 42.0
24.0	1 18 3.97	21 57.49	11 41 7.9	2 32 56.0	8.19584	36	14 42.4
24.5	1 40 1.46	22 29.93	14 14 3.9	2 25 31.1	8.19620	54	14 43.1
25.0	2 2 31.39	23 7.48	16 39 35.0	2 16 31.4	8.19674	70	14 44.2
25.5	2 25 38.87		18 56 6.4		8.19744		14 45.7

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
	h m	h m s	s	s	° ′ ″	″
April 6 *O*	8 51.6	9 48 39.29	−70.00	139.94	+15 10 16.3	− 920.9
U	21 17.4	10 16 28.07	−69.55	138.34	+11 58 40.0	− 993.4
7 *O*	9 42.9	10 44 1.08	−69.25	137.31	+ 8 33 59.0	−1051.3
U	22 8.3	11 11 25.90	−69.14	136.97	+ 4 59 16.6	−1093.3
8 *O*	10 33.7	11 38 51.44	−69.23	137.41	+ 1 17 51.9	−1118.1
U	22 59.2	12 6 27.29	−69.54	138.67	− 2 26 39.5	−1124.2
9 *O*	11 25.1	12 34 23.35	−70.07	140.74	− 6 10 27.2	−1110.4
U	23 51.5	13 2 49.17	−70.80	143.58	− 9 49 27.3	−1076.0
10 *O*	12 18.5	13 31 53.41	+71.70	147.24	−13 19 28.5	−1020.4
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11 *U*	0 46.3	14 1 42.81	+72.71	151.25	−16 36 15.1	− 943.5
O	13 14.9	14 32 21.48	+73.77	155.42	−19 35 35.9	− 846.2
12 *U*	1 44.3	15 3 49.64	+74.76	159.42	−22 13 35.1	− 730.1
O	14 14.5	15 36 2.79	+75.64	162.82	−24 26 43.2	− 598.1
13 *U*	2 45.2	16 8 51.34	+76.25	165.19	−26 12 10.2	− 454.0
O	15 16.3	16 42 0.69	+76.53	166.17	−27 27 59.5	− 302.7
14 *U*	3 47.5	17 15 12.64	+76.41	165.51	−28 13 16.0	− 149.4
O	16 18.3	17 48 7.21	+75.88	163.21	−28 28 9.9	+ 0.3
15 *U*	4 48.6	18 20 25.22	+75.00	159.39	−28 13 51.9	+ 141.8
O	17 18.0	18 51 50.36	+73.79	154.40	−27 32 22.5	+ 271.6
16 *U*	5 46.2	19 22 10.70	+72.36	148.63	−26 26 17.3	+ 387.5
O	18 13.3	19 51 19.32	+70.79	142.49	−24 58 29.6	+ 488.5
17 *U*	6 39.2	20 19 13.96	+69.19	136.34	−23 11 57.5	+ 574.9
O	19 3.9	20 45 56.27	+67.63	130.48	−21 9 32.7	+ 647.4
18 *U*	7 27.4	21 11 30.92	+66.16	125.13	−18 53 54.7	+ 707.3
O	19 50.0	21 36 4.59	+64.82	120.35	−16 27 27.3	+ 755.8
19 *U*	8 11.6	21 59 45.11	+63.65	116.29	−13 52 18.6	+ 794.3
O	20 32.5	22 22 41.02	+62.67	112.96	−11 10 22.0	+ 823.9
20 *U*	8 52.8	22 45 1.12	+61.89	110.37	− 8 23 18.7	+ 845.5
O	21 12.7	23 6 54.17	+61.30	108.50	− 5 32 40.4	+ 859.8
21 *U*	9 32.2	23 28 28.83	+60.93	107.34	− 2 39 51.9	+ 867.2
O	21 51.6	23 49 53.56	+60.75	106.87	+ 0 13 46.8	+ 868.1
22 *U*	10 11.0	0 11 16.53	+60.78	107.08	+ 3 6 57.1	+ 862.5
O	22 30.5	0 32 45.78	+61.00	107.94	+ 5 58 20.6	+ 850.3
23 *U*	10 50.2	0 54 29.06	+61.40	109.45	+ 8 46 36.0	+ 831.1
O	23 10.2	1 16 33.84	+61.99	111.56	+11 30 18.7	+ 804.7
24 *U*	11 30.7	1 39 7.23	+62.74	114.24	+14 7 58.5	+ 770.5
O	23 51.8	2 2 15.81	+63.63	117.45	+16 37 58.6	+ 727.8
25 *U*	12 13.6	2 26 5.46	+64.64	120.92	+18 58 35.3	+ 676.5
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Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ' "	° ' "			' "
April 25.0	2 2 31.39	23 7.48	+16 39 35.0	+2 16 31.4	8.19674	+ 70	14 44.2
25.5	2 25 38.87	23 49.21	18 56 6.4	2 5 51.6	8.19744	86	14 45.7
26.0	2 49 28.08	24 33.87	21 1 58.0	1 53 27.6	8.19830	103	14 47.4
26.5	3 14 1.95	25 19.84	22 55 25.6	1 39 17.0	8.19933	119	14 49.5
27.0	3 39 21.79	26 5.22	24 34 42.6	1 23 20.5	8.20052	136	14 52.0
27.5	4 5 27.01	26 47.86	25 58 3.1	1 5 42.6	8.20188	151	14 54.8
28.0	4 32 14.87	27 25.46	27 3 45.7	0 46 31.9	8.20339	168	14 57.9
28.5	4 59 40.33	27 55.85	27 50 17.6	0 26 2.3	8.20507	186	15 1.4
29.0	5 27 36.18	28 17.32	28 16 19.9	+0 4 32.3	8.20693	203	15 5.2
29.5	5 55 53.50		28 20 52.2		8.20896		15 9.5
		28 28.77		−0 17 35.9		+220	
30.0	6 24 22.27	28 30.01	+28 3 16.3	0 39 57.6	8.21116	237	15 14.1
30.5	6 52 52.28	28 21.74	27 23 18.7	1 2 8.1	8.21353	253	15 19.1
Mai 1.0	7 21 14.02	28 5.42	26 21 10.6	1 23 43.7	8.21606	268	15 24.4
1.5	7 49 19.44	27 43.20	24 57 26.9	1 44 22.7	8.21874	281	15 30.2
2.0	8 17 2.64	27 17.58	23 13 4.2	2 3 47.4	8.22155	291	15 36.2
2.5	8 44 20.22	26 51.05	21 9 16.8	2 21 42.7	8.22446	299	15 42.5
3.0	9 11 11.27	26 26.03	18 47 34.1	2 37 56.8	8.22745	302	15 49.0
3.5	9 37 37.30	26 4.60	16 9 37.3	2 52 19.5	8.23047	300	15 55.6
4.0	10 3 41.90	25 48.57	13 17 17.8	3 4 40.4	8.23347	294	16 2.3
4.5	10 29 30.47		10 12 37.4		8.23641		16 8.8
		25 39.36		−3 14 49.4		+280	
5.0	10 55 9.83	25 38.08	+ 6 57 48.0	3 22 35.3	8.23921	261	16 15.1
5.5	11 20 47.91	25 45.51	3 35 12.7	3 27 45.0	8.24182	234	16 20.9
6.0	11 46 33.42	26 2.09	+ 0 7 27.7	3 30 4.5	8.24416	201	16 26.2
6.5	12 12 35.51	26 27.98	− 3 22 36.8	3 29 18.0	8.24617	161	16 30.8
7.0	12 39 3.49	27 2.82	6 51 54.8	3 25 10.5	8.24778	115	16 34.5
7.5	13 6 6.31	27 45.75	10 17 5.3	3 17 28.2	8.24893	65	16 37.1
8.0	13 33 52.06	28 35.21	13 34 33.5	3 6 1.0	8.24958	+ 11	16 38.6
8.5	14 2 27.27	29 28.69	16 40 34.5	2 50 44.6	8.24969	− 43	16 38.9
9.0	14 31 55.96	30 22.80	19 31 19.1	2 31 44.5	8.24926	98	16 37.9
9.5	15 2 18.76		22 3 3.6		8.24828		16 35.6
		31 13.22		−2 9 16.9		−152	
10.0	15 33 31.98	31 55.09	−24 12 20.5	1 43 52.3	8.24676	200	16 32.2
10.5	16 5 27.07	32 23.61	25 56 12.8	1 16 14.4	8.24476	242	16 27.6
11.0	16 37 50.68	32 34.81	27 12 27.2	0 47 18.4	8.24234	281	16 22.1
11.5	17 10 25.49	32 26.47	27 59 45.6	−0 18 5.9	8.23953	311	16 15.8
12.0	17 42 51.96	31 58.48	28 17 51.5	+0 10 21.7	8.23642	333	16 8.8
12.5	18 14 50.44	31 13.10	28 7 29.8	0 37 11.3	8.23309	347	16 1.4
13.0	18 46 3.54	30 14.06	27 30 18.5	1 1 42.4	8.22962	354	15 53.8
13.5	19 16 17.60	29 6.05	26 28 36.1	1 23 29.2	8.22608	353	15 46.0
14.0	19 45 23.65	27 53.90	25 5 6.9	1 42 21.3	8.22255	346	15 38.4
14.5	20 13 17.55		23 22 45.6		8.21909		15 30.9

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge
	h m	h m s	s	s	° ′ ″	″
April 25 *U*	12 13.6	2 26 5.46	—64.64	120.92	+18 58 35.3	+ 676.5
—	—	—	—	—	—	—
26 *O*	0 36.2	2 50 41.02	—65.75	124.90	+21 7 58.5	+ 615.6
U	12 59.6	3 16 5.88	—66.90	129.11	+23 4 12.1	+ 544.7
27 *O*	1 23.8	3 42 21.59	—68.05	133.33	+24 45 15.6	+ 463.8
U	13 48.8	4 9 27.39	—69.14	137.42	+26 9 9.3	+ 373.1
28 *O*	2 14.7	4 37 19.95	—70.13	141.11	+27 13 57.9	+ 273.0
U	14 41.2	5 5 53.13	—70.95	144.18	+27 57 56.7	+ 164.9
29 *O*	3 8.2	5 34 58.19	—71.56	146.43	+28 19 37.7	+ 50.4
U	15 35.6	6 4 24.47	—71.91	147.73	+28 17 56.7	— 68.4
30 *O*	4 3.1	6 34 0.14	—72.02	148.03	+27 52 16.9	— 189.0
U	16 30.7	7 3 33.42	—71.88	147.39	+27 2 32.0	— 308.8
Mai 1 *O*	4 58.0	7 32 53.85	—71.53	145.94	+25 49 6.0	— 425.4
U	17 24.9	8 1 52.95	—71.03	143.90	+24 12 50.3	— 536.8
2 *O*	5 51.4	8 30 25.15	—70.43	141.51	+22 14 59.7	— 641.0
U	18 17.4	8 58 27.91	—69.78	139.04	+19 57 8.3	— 736.7
3 *O*	6 42.9	9 26 1.69	—69.18	136.72	+17 21 4.3	— 822.8
U	19 8.0	9 53 9.63	—68.65	134.75	+14 28 47.6	— 898.6
4 *O*	7 32.7	10 19 57.14	—68.26	133.32	+11 22 28.7	— 963.1
U	19 57.3	10 46 31.46	—68.04	132.55	+ 8 4 28.1	—1015.3
5 *O*	8 21.8	11 13 1.30	—68.02	132.55	+ 4 37 17.6	—1054.4
U	20 46.3	11 39 36.38	—68.22	133.40	+ 1 3 42.5	—1079.2
6 *O*	9 11.1	12 6 27.08	—68.65	135.13	— 2 33 16.9	—1088.2
U	21 36.3	12 33 44.13	—69.31	137.76	— 6 10 22.3	—1079.8
7 *O*	10 2.2	13 1 38.05	—70.19	141.24	— 9 43 56.9	—1052.7
U	22 28.8	13 30 18.49	—71.25	145.47	—13 10 6.3	—1005.3
8 *O*	10 56.4	13 59 53.55	—72.44	150.28	—16 24 41.7	— 936.7
U	23 24.9	14 30 28.45	—73.70	155.38	—19 23 24.5	— 846.4
9 *O*	11 54.4	15 2 4.47	+74.99	160.59	—22 1 58.4	— 735.3
—	—	—	—	—	—	—
10 *U*	0 24.9	15 34 37.67	+76.01	165.01	—24 16 23.0	— 605.2
O	12 56.2	16 7 58.02	+76.82	168.32	—26 3 11.2	— 459.8
11 *U*	1 28.0	16 41 49.45	+77.26	170.04	—27 19 48.5	— 304.3
O	14 0.0	17 15 51.01	+77.25	169.88	—28 4 48.0	— 144.6
12 *U*	2 31.7	17 49 39.24	+76.78	167.74	—28 18 0.2	+ 12.5
O	15 2.9	18 22 51.12	+75.87	163.79	—28 0 30.8	+ 161.3
13 *U*	3 33.1	18 55 7.08	+74.61	158.42	—27 14 28.9	+ 297.2
O	16 2.1	19 26 12.69	+73.08	152.11	—26 2 48.9	+ 417.3
14 *U*	4 29.9	19 55 59.60	+71.41	145.37	—24 28 48.4	+ 520.5
O	16 56.2	20 24 25.23	+69.70	138.61	—22 35 50.8	+ 606.8

Mittlerer Mittag und Mitternacht.

Datum		AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
		h m s	m s	° ' "	° ' "			' "
Mai	14.0	19 45 23.65	27 53.90	−25 5 6.9	+1 42 21.3	8.22255	−346	15 38.4
	14.5	20 13 17.55	26 41.70	23 22 45.6	1 58 20.0	8.21909	334	15 30.9
	15.0	20 39 59.25	25 32.77	21 24 25.6	2 11 35.2	8.21575	316	15 23.8
	15.5	21 5 32.02	24 29.48	19 12 50.4	2 22 21.3	8.21259	293	15 17.1
	16.0	21 30 1.50	23 33.40	16 50 29.1	2 30 54.7	8.20966	267	15 10.9
	16.5	21 53 34.90	22 45.35	14 19 34.4	2 37 31.2	8.20699	239	15 5.3
	17.0	22 16 20.25	22 5.78	11 42 3.2	2 42 25.9	8.20460	210	15 0.4
	17.5	22 38 26.03	21 34.83	8 59 37.3	2 45 50.5	8.20250	178	14 56.0
	18.0	23 0 0.86	21 12.39	6 13 46.8	2 47 54.3	8.20072	147	14 52.4
	18.5	23 21 13.25	20 58.27	3 25 52.5	+2 48 43.6	8.19925	−115	14 49.3
	19.0	23 42 11.52	20 52.30	−0 37 8.9	2 48 23.2	8.19810	84	14 47.0
	19.5	0 3 3.82	20 54.23	+2 11 14.3	2 46 53.4	8.19726	55	14 45.3
	20.0	0 23 58.05	21 3.80	4 58 7.7	2 44 14.0	8.19671	−25	14 44.2
	20.5	0 45 1.85	21 20.71	7 42 21.7	2 40 21.7	8.19646	+1	14 43.7
	21.0	1 6 22.56	21 44.66	10 22 43.4	2 35 12.0	8.19647	26	14 43.7
	21.5	1 28 7.22	22 15.19	12 57 55.4	2 28 38.6	8.19673	50	14 44.2
	22.0	1 50 22.41	22 51.64	15 26 34.0	2 20 34.7	8.19723	70	14 45.2
	22.5	2 13 14.05	23 33.17	17 47 8.7	2 10 52.6	8.19793	90	14 46.7
	23.0	2 36 47.22	24 18.57	19 58 1.3	1 59 26.3	8.19883	107	14 48.5
	23.5	3 1 5.79	25 6.29	21 57 27.6	+1 46 10.3	8.19990	+122	14 50.7
	24.0	3 26 12.08	25 54.34	+23 43 37.9	1 31 2.3	8.20112	136	14 53.2
	24.5	3 52 6.42	26 40.45	25 14 40.2	1 14 4.1	8.20248	147	14 56.0
	25.0	4 18 46.87	27 22.00	26 28 44.3	0 55 22.9	8.20395	158	14 59.0
	25.5	4 46 8.87	27 56.55	27 24 7.2	0 35 11.0	8.20553	167	15 2.3
	26.0	5 14 5.42	28 21.83	27 59 18.2	+0 13 47.7	8.20720	175	15 5.8
	26.5	5 42 27.25	28 36.31	28 13 5.9	−0 8 22.5	8.20895	183	15 9.4
	27.0	6 11 3.56	28 39.33	28 4 43.4	0 30 52.5	8.21078	191	15 13.3
	27.5	6 39 42.89	28 31.31	27 33 50.9	0 53 13.1	8.21269	198	15 17.3
	28.0	7 8 14.20	28 13.65	26 40 37.8	1 14 56.5	8.21467	203	15 21.5
	28.5	7 36 27.85	27 48.50	25 25 41.3	−1 35 38.5	8.21670	+210	15 25.8
	29.0	8 4 16.35	27 18.46	+23 50 2.8	1 54 58.9	8.21880	215	15 30.3
	29.5	8 31 34.81	26 46.38	21 55 3.9	2 12 42.8	8.22095	219	15 34.9
	30.0	8 58 21.19	26 14.85	19 42 21.1	2 28 39.6	8.22314	223	15 39.6
	30.5	9 24 36.04	25 46.25	17 13 41.5	2 42 42.4	8.22537	225	15 44.5
	31.0	9 50 22.29	25 22.51	14 30 59.1	2 54 46.0	8.22762	224	15 49.4
	31.5	10 15 44.80	25 5.30	11 36 13.1	3 4 46.7	8.22986	223	15 54.3
Juni	1.0	10 40 50.10	24 55.75	8 31 26.4	3 12 40.1	8.23209	216	15 59.2
	1.5	11 5 45.85	24 54.81	5 18 46.3	3 18 20.2	8.23425	207	16 4.0
	2.0	11 30 40.66	25 3.14	+2 0 26.1	3 21 39.9	8.23632	194	16 8.6
	2.5	11 55 43.80		−1 21 13.8		8.23826		16 12.9

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge
		h m	h m s	s	s	° ′ ″	″
Mai 14	U	4 29.9	19 55 59.60	+71.41	145.37	−24 28 48.4	+ 520.5
	O	16 56.2	20 24 25.23	+69.70	138.61	−22 35 50.8	+ 606.8
15	U	5 21.3	20 51 31.51	+68.03	132.20	−20 27 11.2	+ 677.6
	O	17 45.2	21 17 23.96	+66.47	126.35	−18 5 47.9	+ 734.3
16	U	6 7.9	21 42 10.21	+65.06	121.22	−15 34 19.0	+ 778.8
	O	18 29.7	22 5 59.28	+63.84	116.87	−12 55 1.6	+ 812.6
17	U	6 50.7	22 29 0.75	+62.82	113.32	−10 9 54.4	+ 837.3
	O	19 11.0	22 51 24.38	+62.02	110.60	− 7 20 39.6	+ 854.1
18	U	7 30.9	23 13 19.85	+61.44	108.67	− 4 28 47.0	+ 863.7
	O	19 50.5	23 34 56.62	+61.08	107.51	− 1 35 37.9	+ 866.8
19	U	8 10.0	23 56 23.87	+60.92	107.12	+ 1 17 32.7	+ 863.8
	O	20 29.4	0 17 50.49	+60.98	107.45	+ 4 9 31.7	+ 854.9
20	U	8 48.9	0 39 25.11	+61.24	108.49	+ 6 59 6.1	+ 839.8
	O	21 8.8	1 1 16.03	+61.70	110.20	+ 9 45 0.0	+ 818.1
21	U	9 29.0	1 23 31.23	+62.35	112.56	+12 25 51.9	+ 789.3
	O	21 49.7	1 46 18.29	+63.15	115.52	+15 0 13.5	+ 752.9
22	U	10 11.1	2 9 44.08	+64.10	119.04	+17 26 28.2	+ 708.0
	O	22 33.3	2 33 54.66	+65.16	122.99	+19 42 49.8	+ 653.8
23	U	10 56.2	2 58 54.71	+66.30	127.28	+21 47 23.5	+ 589.8
	O	23 20.1	3 24 47.20	+67.48	131.72	+23 38 7.5	+ 515.4
24	U	11 44.8	3 51 33.12	+68.63	136.12	+25 12 55.3	+ 430.3
—		—	—	—	—	—	—
25	O	0 10.4	4 19 10.24	−69.70	140.05	+26 29 40.7	+ 335.0
	U	12 36.7	4 47 33.62	−70.61	143.62	+27 26 24.9	+ 230.4
26	O	1 3.7	5 16 35.13	−71.33	146.39	+28 1 24.2	+ 117.7
	U	13 31.2	5 46 3.97	−71.80	148.17	+28 13 16.7	− 0.4
27	O	1 58.8	6 15 47.40	−72.00	148.86	+28 1 10.9	− 121.5
	U	14 26.5	6 45 32.15	−71.92	148.43	+27 24 49.2	− 242.6
28	O	2 54.0	7 15 5.52	−71.59	147.02	+26 24 28.7	− 360.8
	U	15 21.2	7 44 16.85	−71.06	144.82	+25 0 59.8	− 473.5
29	O	3 47.8	8 12 58.16	−70.39	142.10	+23 15 41.3	− 578.8
	U	16 13.9	8 41 4.94	−69.65	139.12	+21 10 12.3	− 675.0
30	O	4 39.4	9 8 35.87	−68.91	136.16	+18 46 27.9	− 761.1
	U	17 4.3	9 35 32.71	−68.22	133.47	+16 6 32.0	− 836.7
31	O	5 28.7	10 1 59.90	−67.65	131.24	+13 12 34.6	− 901.3
	U	17 52.7	10 28 3.93	−67.23	129.61	+10 6 49.2	− 954.7
Juni 1	O	6 16.5	10 53 52.92	−67.00	128.72	+ 6 51 32.3	− 996.5
	U	18 40.2	11 19 36.21	−66.97	128.64	+ 3 29 5.3	−1026.2
2	O	7 3.9	11 45 24.10	−67.18	129.45	+ 0 1 56.3	−1043.3
	U	19 27.9	12 11 27.43	−67.63	131.19	− 3 27 16.9	−1046.7

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Juni 2.0	11 30 40.66		+ 2 0 26.1		8.23632		16 8.6
		25 3.14		−3 21 39.9		+194	
2.5	11 55 43.80		− 1 21 13.8		8.23826		16 12.9
		25 21.06		3 22 29.3		176	
3.0	12 21 4.86		4 43 43.1		8.24002		16 16.9
		25 48.67		3 20 36.3		154	
3.5	12 46 53.53		8 4 19.4		8.24156		16 20.4
		26 25.73		3 15 47.9		127	
4.0	13 13 19.26		11 20 7.3		8.24283		16 23.2
		27 11.28		3 7 50.5		95	
4.5	13 40 30.54		14 27 57.8		8.24378		16 25.4
		28 3.88		2 56 31.8		59	
5.0	14 8 34.42		17 24 29.6		8.24437		16 26.7
		29 1.23		2 41 43.0		+ 20	
5.5	14 37 35.65		20 6 12.6		8.24457		16 27.2
		29 59.91		2 23 23.1		− 21	
6.0	15 7 35.56		22 29 35.7		8.24436		16 26.7
		30 55.65		2 1 41.3		65	
6.5	15 38 31.21		24 31 17.0		8.24371		16 25.2
		31 43.48		−1 37 0.0		−108	
7.0	16 10 14.69		−26 8 17.0		8.24263		16 22.8
		32 18.25		1 9 55.9		151	
7.5	16 42 32.94		27 18 12.9		8.24112		16 19.4
		32 35.62		0 41 20.5		191	
8.0	17 15 8.56		27 59 33.4		8.23921		16 15.1
		32 32.86		−0 12 13.9		225	
8.5	17 47 41.42		28 11 47.3		8.23696		16 10.0
		32 9.43		+0 16 21.0		256	
9.0	18 19 50.85		27 55 26.3		8.23440		16 4.3
		31 27.31		0 43 25.8		281	
9.5	18 51 18.16		27 12 0.5		8.23159		15 58.1
		30 30.17		1 8 15.0		301	
10.0	19 21 48.33		26 3 45.5		8.22858		15 51.5
		29 22.88		1 30 16.9		313	
10.5	19 51 11.21		24 33 28.6		8.22545		15 44.7
		28 10.47		1 49 16.8		319	
11.0	20 19 21.68		22 44 11.8		8.22226		15 37.7
		26 57.36		2 5 13.0		319	
11.5	20 46 19.04		20 38 58.8		8.21907		15 30.9
		25 47.18		+2 18 14.2		−312	
12.0	21 12 6.22		−18 20 44.6		8.21595		15 24.2
		24 42.55		2 28 34.9		300	
12.5	21 36 48.77		15 52 9.7		8.21295		15 17.8
		23 45.13		2 36 32.4		282	
13.0	22 0 33.90		13 15 37.3		8.21013		15 11.9
		22 55.90		2 42 24.9		261	
13.5	22 23 29.80		10 33 12.4		8.20752		15 6.4
		22 15.42		2 46 28.5		235	
14.0	22 45 45.22		7 46 43.9		8.20517		15 1.6
		21 43.78		2 48 57.3		207	
14.5	23 7 29.00		4 57 46.6		8.20310		14 57.3
		21 21.01		2 50 2.5		176	
15.0	23 28 50.01		− 2 7 44.1		8.20134		14 53.6
		21 6.83		2 49 52.9		144	
15.5	23 49 56.84		+ 0 42 8.8		8.19990		14 50.7
		21 1.13		2 48 33.6		110	
16.0	0 10 57.97		3 30 42.4		8.19880		14 48.4
		21 3.67		2 46 7.0		76	
16.5	0 32 1.64		6 16 49.4		8.19804		14 46.9
		21 14.21		+2 42 33.4		− 43	
17.0	0 53 15.85		+ 8 59 22.8		8.19761		14 46.1
		21 32.45		2 37 49.9		− 10	
17.5	1 14 48.30		11 37 12.7		8.19751		14 45.8
		21 58.05		2 31 51.8		+ 22	
18.0	1 36 46.35		14 9 4.5		8.19773		14 46.2
		22 30.53		2 24 33.0		51	
18.5	1 59 16.88		16 33 37.5		8.19824		14 47.3
		23 9.28		2 15 45.6		80	
19.0	2 22 26.16		18 49 23.1		8.19904		14 48.9
		23 53.26		2 5 21.2		105	
19.5	2 46 19.42		20 54 44.3		8.20009		14 51.1
		24 41.19		1 53 12.1		128	
20.0	3 11 0.61		22 47 56.4		8.20137		14 53.7
		25 31.33		1 39 12.0		147	
20.5	3 36 31.94		24 27 8.4		8.20284		14 56.7
		26 21.46		1 23 17.7		164	
21.0	4 2 53.40		25 50 26.1		8.20448		15 0.1
		27 9.02		1 5 30.3		179	
21.5	4 30 2.42		26 55 56.4		8.20627		15 3.8

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
	h m	h m s	s	s	° ′ ″	″
Juni 2 O	7 3.9	11 45 24.10	−67.18	129.45	+ 0 1 56.3	−1043.3
U	19 27.9	12 11 27.43	−67.63	131.19	− 3 27 16.9	−1046.7
3 O	7 52.4	12 37 57.31	−68.32	133.84	− 6 55 44.0	−1035.3
U	20 17.5	13 5 4.76	−69.24	137.41	−10 20 18.9	−1007.7
4 O	8 43.4	13 33 0.11	−70.34	141.79	−13 37 39.0	− 962.4
U	21 10.2	14 1 52.30	−71.61	146.83	−16 44 4.2	− 898.2
5 O	9 38.1	14 31 47.79	−72.93	152.29	−19 35 40.7	− 814.1
U	22 7.1	15 2 49.42	−74.27	157.78	−22 8 27.6	− 709.9
6 O	10 37.1	15 34 54.92	−75.47	162.86	−24 18 28.9	− 586.6
U	23 8.1	16 7 56.05	−76.45	166.98	−26 2 10.4	− 446.9
7 O	11 39.7	16 41 37.98	−77.06	169.64	−27 16 38.0	− 295.2
—	—	—	—	—	—	—
8 U	0 11.7	17 15 40.35	+77.23	170.38	−27 59 59.3	− 137.0
O	12 43.6	17 49 39.15	+76.92	169.00	−28 11 36.2	+ 21.2
9 U	1 15.0	18 23 9.90	+76.14	165.66	−27 52 8.6	+ 172.7
O	13 45.7	18 55 50.69	+74.98	160.68	−27 3 29.0	+ 312.3
10 U	2 15.2	19 27 24.74	+73.50	154.56	−25 48 23.9	+ 436.4
O	14 43.4	19 57 41.38	+71.86	147.84	−24 10 13.6	+ 542.9
11 U	3 10.3	20 26 36.20	+70.14	140.99	−22 12 31.7	+ 631.6
O	15 35.8	20 54 9.97	+68.46	134.39	−19 58 47.1	+ 703.5
12 U	4 0.1	21 20 27.42	+66.87	128.33	−17 32 13.6	+ 760.0
O	16 23.2	21 45 35.95	+65.44	122.95	−14 55 45.0	+ 803.0
13 U	4 45.3	22 9 44.50	+64.19	118.38	−12 11 51.8	+ 834.4
O	17 6.6	22 33 2.85	+63.15	114.63	− 9 22 43.4	+ 855.7
14 U	5 27.2	22 55 41.08	+62.33	111.72	− 6 30 10.6	+ 868.6
O	17 47.3	23 17 49.20	+61.74	109.65	− 3 35 49.0	+ 874.0
15 U	6 7.1	23 39 37.06	+61.37	108.39	− 0 41 2.0	+ 872.8
O	18 26.7	0 1 14.27	+61.22	107.91	+ 2 12 54.2	+ 865.6
16 U	6 46.2	0 22 50.10	+61.29	108.20	+ 5 4 48.1	+ 852.4
O	19 5.9	0 44 33.64	+61.56	109.23	+ 7 53 29.4	+ 833.4
17 U	7 25.9	1 6 33.64	+62.04	110.98	+10 37 45.6	+ 808.2
O	19 46.3	1 28 58.52	+62.71	113.41	+13 16 19.5	+ 776.2
18 U	8 7.2	1 51 56.30	+63.54	116.49	+15 47 46.8	+ 737.0
O	20 28.8	2 15 34.34	+64.52	120.14	+18 10 34.5	+ 689.4
19 U	8 51.2	2 39 59.08	+65.63	124.27	+20 22 58.4	+ 632.8
O	21 14.4	3 5 15.63	+66.80	128.76	+22 23 5.0	+ 566.3
20 U	9 38.6	3 31 27.21	+68.00	133.42	+24 8 51.2	+ 489.3
O	22 3.7	3 58 34.59	+69.19	138.01	+25 38 8.3	+ 401.3
21 U	10 29.7	4 26 35.58	+70.26	142.28	+26 48 45.9	+ 302.7
O	22 56.5	4 55 24.56	+71.17	145.93	+27 38 40.8	+ 194.3

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Juni 21.0	4 2 53.40	27 9.02	+25 50 26.1	+1 5 30.3	8.20448	+179	15 0.1
21.5	4 30 2.42	27 51.19	26 55 56.4	0 45 57.9	8.20627	189	15 3.8
22.0	4 57 53.61	28 25.24	27 41 54.3	0 24 54.4	8.20816	197	15 7.8
22.5	5 26 18.85	28 48.82	28 6 48.7	+0 2 41.4	8.21013	201	15 11.9
23.0	5 55 7.67	29 0.42	28 9 30.1	−0 20 13.0	8.21214	204	15 16.1
23.5	6 24 8.09	28 59.58	27 49 17.1	0 43 18.1	8.21418	203	15 20.4
24.0	6 53 7.67	28 47.03	27 5 59.0	1 6 0.4	8.21621	200	15 24.8
24.5	7 21 54.70	28 24.52	25 59 58.6	1 27 48.8	8.21821	196	15 29.0
25.0	7 50 19.22	27 54.59	24 32 9.8	1 48 16.7	8.22017	191	15 33.2
25.5	8 18 13.81		22 43 53.1		8.22208		15 37.3
		27 20.17		−2 7 2.6		+184	
26.0	8 45 33.98	26 44.21	+20 36 50.5	2 23 51.2	8.22392	175	15 41.3
26.5	9 12 18.19	26 9.48	18 12 59.3	2 38 32.6	8.22567	168	15 45.1
27.0	9 38 27.67	25 38.33	15 34 26.7	2 51 1.2	8.22735	160	15 48.8
27.5	10 4 6.00	25 12.66	12 43 25.5	3 1 14.4	8.22895	151	15 52.3
28.0	10 29 18.66	24 53.92	9 42 11.1	3 9 11.0	8.23046	141	15 55.6
28.5	10 54 12.58	24 43.20	6 33 0.1	3 14 50.4	8.23187	131	15 58.7
29.0	11 18 55.78	24 41.29	+ 3 18 9.7	3 18 11.7	8.23318	121	16 1.7
29.5	11 43 37.07	24 48.69	− 0 0 2.0	3 19 11.3	8.23439	109	16 4.3
30.0	12 8 25.76	25 5.62	3 19 13.3	3 17 45.1	8.23548	97	16 6.7
30.5	12 33 31.38		6 36 58.4		8.23645		16 8.9
		25 32.02		−3 13 46.0		+ 82	
Juli 1.0	12 59 3.40	26 7.51	− 9 50 44.4	3 7 6.6	8.23727	66	16 10.7
1.5	13 25 10.91	26 51.20	12 57 51.0	2 57 37.3	8.23793	48	16 12.2
2.0	13 52 2.11	27 41.52	15 55 28.3	2 45 10.1	8.23841	28	16 13.3
2.5	14 19 43.63	28 36.23	18 40 38.4	2 29 39.4	8.23869	+ 5	16 13.9
3.0	14 48 19.86	29 32.12	21 10 17.8	2 11 4.3	8.23874	− 20	16 14.0
3.5	15 17 51.98	30 25.20	23 21 22.1	1 49 33.4	8.23854	46	16 13.6
4.0	15 48 17.18	31 10.83	25 10 55.5	1 25 25.7	8.23808	73	16 12.5
4.5	16 19 28.01	31 44.35	26 36 21.2	0 59 12.3	8.23735	102	16 10.9
5.0	16 51 12.36	32 1.80	27 35 33.5	0 31 37.4	8.23633	130	16 8.6
5.5	17 23 14.16		28 7 10.9		8.23503		16 5.7
		32 0.57		−0 3 33.7		−159	
6.0	17 55 14.73	31 40.18	−28 10 44.6	+0 24 2.8	8.23344	184	16 2.2
6.5	18 26 54.91	31 2.22	27 46 41.8	0 50 18.5	8.23160	208	15 58.1
7.0	18 57 57.13	30 10.00	26 56 23.3	1 14 29.8	8.22952	229	15 53.5
7.5	19 28 7.13	29 7.84	25 41 53.5	1 36 4.9	8.22723	245	15 48.5
8.0	19 57 14.97	28 0.38	24 5 48.6	1 54 46.6	8.22478	258	15 43.2
8.5	20 25 15.35	26 51.78	22 11 2.0	2 10 30.1	8.22220	266	15 37.6
9.0	20 52 7.13	25 45.48	20 0 31.9	2 23 19.5	8.21954	269	15 31.9
9.5	21 17 52.61	24 44.02	17 37 12.4	2 33 27.0	8.21685	266	15 26.1
10.0	21 42 36.63	23 49.16	15 3 45.4	2 41 7.2	8.21419	259	15 20.5
10.5	22 6 25.79		12 22 38.2		8.21160		15 15.0

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
	h m	h m s	s	s	° ' "	"
Juni 21 U	10 29.7	4 26 35.58	+70.26	142.28	+26 48 45.9	+ 302.7
O	22 56.5	4 55 24.56	+71.17	145.93	+27 38 40.8	+ 194.3
22 U	11 23.9	5 24 52.57	+71.87	148.71	+28 6 5.2	+ 77.9
O	23 51.7	5 54 47.71	+72.28	150.37	+28 9 36.1	— 44.1
23 U	12 19.8	6 24 56.05	—72.41	150.84	+27 48 24.2	— 168.8
—	—	—	—	—	—	—
24 O	0 47.9	6 55 3.04	—72.24	150.16	+27 2 17.6	— 292.7
U	13 15.7	7 24 55.14	—71.82	148.42	+25 51 45.0	— 412.5
25 O	1 43.1	7 54 20.97	—71.19	145.86	+24 17 52.8	— 525.4
U	14 9.9	8 23 12.35	—70.42	142.75	+22 22 18.0	— 629.3
26 O	2 36.1	8 51 24.71	—69.59	139.42	+20 7 1.1	— 722.2
U	15 1.6	9 18 57.13	—68.77	136.13	+17 34 18.5	— 803.4
27 O	3 26.5	9 45 51.71	—68.02	133.14	+14 46 35.3	— 872.2
U	15 50.8	10 12 13.29	—67.39	130.64	+11 46 20.6	— 928.6
28 O	4 14.6	10 38 8.77	—66.93	128.78	+ 8 36 4.2	— 972.5
U	16 38.2	11 3 46.55	—66.65	127.69	+ 5 18 15.2	—1003.9
29 O	5 1.7	11 29 16.18	—66.60	127.40	+ 1 55 23.3	—1022.9
U	17 25.2	11 54 47.95	—66.79	128.01	— 1 30 0.9	—1029.2
30 O	5 48.9	12 20 32.65	—67.20	129.52	— 4 55 22.8	—1022.4
U	18 13.0	12 46 41.16	—67.85	131.95	— 8 18 1.1	—1001.7
Juli 1 O	6 37.7	13 13 24.27	—68.72	135.25	—11 35 5.4	— 966.4
U	19 3.1	13 40 51.96	—69.78	139.34	—14 43 33.8	— 915.5
2 O	7 29.4	14 9 12.94	—70.98	144.09	—17 40 13.3	— 848.0
U	19 56.7	14 38 33.66	—72.26	149.25	—20 21 39.4	— 763.0
3 O	8 25.0	15 8 57.15	—73.53	154.49	—22 44 21.8	— 660.7
U	20 54.4	15 40 21.96	—74.70	159.40	—24 44 54.0	— 541.4
4 O	9 24.7	16 12 41.10	—75.66	163.49	—26 20 5.1	— 407.4
U	21 55.7	16 45 41.69	—76.29	166.27	—27 27 16.8	— 262.1
5 O	10 27.0	17 19 5.52	—76.52	167.36	—28 4 40.6	— 110.3
U	22 58.3	17 52 30.78	—76.29	166.55	—28 11 32.0	+ 42.2
6 O	11 29.4	18 25 34.68	—75.63	163.89	—27 48 16.3	+ 189.9
U	23 59.7	18 57 56.25	—74.53	159.62	—26 56 25.3	+ 327.3
7 O	12 29.0	19 29 18.72	+73.24	153.92	—25 38 25.5	+ 450.7
—	—	—	—	—	—	—
8 U	0 57.1	19 59 30.83	+71.71	147.73	—23 57 20.8	+ 557.8
O	13 24.0	20 28 26.95	+70.10	141.32	—21 56 33.5	+ 647.7
9 U	1 49.7	20 56 6.66	+68.49	135.05	—19 39 28.0	+ 720.9
O	14 14.0	21 22 33.38	+66.96	129.21	—17 9 19.7	+ 778.3
10 U	2 37.3	21 47 53.38	+65.58	123.99	—14 29 7.0	+ 821.8
O	14 59.7	22 12 14.75	+64.37	119.48	—11 41 29.9	+ 852.8

Mittlerer Mittag und Mitternacht.

Datum		AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
		h m s	m s	° ′ ″	° ′ ″			′ ″
Juli	10.0	21 42 36.63		−15 3 45.4		8.21419		15 20.5
			23 49.16		+2 41 7.2		−259	
	10.5	22 6 25.79		12 22 38.2		8.21160		15 15.0
			23 1.97		2 46 36.4		248	
	11.0	22 29 27.76		9 36 1.8		8.20912		15 9.8
			22 23.01		2 50 10.4		231	
	11.5	22 51 50.77		6 45 51.4		8.20681		15 5.0
			21 52.54		2 52 2.9		210	
	12.0	23 13 43.31		3 53 48.5		8.20471		15 0.6
			21 30.57		2 52 26.5		185	
	12.5	23 35 13.88		− 1 1 22.0		8.20286		14 56.8
			21 17.04		2 51 30.0		158	
	13.0	23 56 30.92		+ 1 50 8.0		8.20128		14 53.5
			21 11.77		2 49 20.0		129	
	13.5	0 17 42.69		4 39 28.0		8.19999		14 50.9
			21 14.61		2 46 0.7		96	
	14.0	0 38 57.30		7 25 28.7		8.19903		14 48.9
			21 25.36		2 41 33.1		63	
	14.5	1 0 22.66		10 7 1.8		8.19840		14 47.6
			21 43.76		+2 35 55.8		− 29	
	15.0	1 22 6.42		+12 42 57.6		8.19811		14 47.0
			22 9.48		2 29 5.7		+ 6	
	15.5	1 44 15.90		15 12 3.3		8.19817		14 47.1
			22 42.06		2 20 57.3		40	
	16.0	2 6 57.96		17 33 0.6		8.19857		14 48.0
			23 20.85		2 11 23.4		74	
	16.5	2 30 18.81		19 44 24.0		8.19931		14 49.5
			24 4.93		2 0 16.1		106	
	17.0	2 54 23.74		21 44 40.1		8.20037		14 51.6
			24 52.98		1 47 28.4		135	
	17.5	3 19 16.72		23 32 8.5		8.20172		14 54.4
			25 43.21		1 32 53.5		162	
	18.0	3 44 59.93		25 5 2.0		8.20334		14 57.8
			26 33.46		1 16 27.5		187	
	18.5	4 11 33.39		26 21 29.5		8.20521		15 1.6
			27 21.14		0 58 11.4		209	
	19.0	4 38 54.53		27 19 40.9		8.20730		15 6.0
			28 3.43		0 38 11.6		225	
	19.5	5 6 57.96		27 57 52.5		8.20955		15 10.7
			28 37.61		+0 16 41.7		+238	
	20.0	5 35 35.57		+28 14 34.2		8.21193		15 15.7
			29 1.39		−0 5 57.3		247	
	20.5	6 4 36.96		28 8 36.9		8.21440		15 20.9
			29 13.22		0 29 17.8		251	
	21.0	6 33 50.18		27 39 19.1		8.21691		15 26.3
			29 12.64		0 52 48.8		250	
	21.5	7 3 2.82		26 46 30.3		8.21941		15 31.6
			29 0.46		1 15 55.4		245	
	22.0	7 32 3.28		25 30 34.9		8.22186		15 36.9
			28 38.44		1 38 5.1		236	
	22.5	8 0 41.72		23 52 29.8		8.22422		15 42.0
			28 9.09		1 58 47.9		224	
	23.0	8 28 50.81		21 53 41.9		8.22646		15 46.8
			27 35.37		2 17 40.5		207	
	23.5	8 56 26.18		19 36 1.4		8.22853		15 51.3
			27 0.24		2 34 23.1		187	
	24.0	9 23 26.42		17 1 38.3		8.23040		15 55.5
			26 26.39		2 48 43.7		166	
	24.5	9 49 52.81		14 12 54.6		8.23206		15 59.1
			25 56.21		−3 0 34.4		+144	
	25.0	10 15 49.02		+11 12 20.2		8.23350		16 2.3
			25 31.48		3 9 50.3		120	
	25.5	10 41 20.50		8 2 29.9		8.23470		16 5.0
			25 13.66		3 16 30.0		97	
	26.0	11 6 34.16		4 45 59.9		8.23567		16 7.1
			25 3.72		3 20 33.3		74	
	26.5	11 31 37.88		+ 1 25 26.6		8.23641		16 8.8
			25 2.38		3 22 0.1		51	
	27.0	11 56 40.26		− 1 56 33.5		8.23692		16 9.9
			25 9.98		3 20 50.8		31	
	27.5	12 21 50.24		5 17 24.3		8.23723		16 10.6
			25 26.60		3 17 4.2		+ 11	
	28.0	12 47 16.84		8 34 28.5		8.23734		16 10.9
			25 52.00		3 10 38.4		− 8	
	28.5	13 13 8.84		11 45 6.9		8.23726		16 10.7
			26 25.50		3 1 31.7		25	
	29.0	13 39 34.34		14 46 38.6		8.23701		16 10.1
			27 5.97		2 49 41.1		39	
	29.5	14 6 40.31		17 36 19.7		8.23662		16 9.3

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
	h m	h m s	s	s	° ′ ″	″
Juli 10 *U*	2 37.3	21 47 53.38	+65.58	123.99	−14 29 7.0	+ 821.8
O	14 59.7	22 12 14.75	+64.37	119.48	−11 41 29.9	+ 852.8
11 *U*	3 21.2	22 35 46.56	+63.35	115.76	− 8 48 45.9	+ 873.0
O	15 42.0	22 58 38.33	+62.56	112.85	− 5 52 56.3	+ 883.9
12 *U*	4 2.3	23 20 59.71	+61.97	110.74	− 2 55 44.6	+ 886.8
O	16 22.3	23 43 0.26	+61.62	109.41	+ 0 1 17.4	+ 882.5
13 *U*	4 42.1	0 4 49.41	+61.47	108.87	+ 2 56 48.2	+ 871.6
O	17 1.8	0 26 36.26	+61.55	109.07	+ 5 49 32.3	+ 854.7
14 *U*	5 21.7	0 48 29.88	+61.82	110.02	+ 8 38 17.3	+ 831.7
O	17 41.8	1 10 38.93	+62.31	111.69	+11 21 50.3	+ 802.7
15 *U*	6 2.4	1 33 11.88	+62.98	114.03	+13 58 56.1	+ 767.1
O	18 23.4	1 56 16.77	+63.81	117.03	+16 28 13.2	+ 724.4
16 *U*	6 45.1	2 20 1.05	+64.79	120.62	+18 48 12.9	+ 674.0
O	19 7.6	2 44 31.33	+65.90	124.71	+20 57 16.4	+ 614.8
17 *U*	7 30.9	3 9 52.97	+67.08	129.17	+22 53 35.4	+ 546.3
O	19 55.2	3 36 9.47	+68.28	133.83	+24 35 12.0	+ 467.6
18 *U*	8 20.3	4 3 21.99	+69.48	138.47	+26 0 1.2	+ 378.3
O	20 46.4	4 31 28.83	+70.56	142.81	+27 5 56.0	+ 278.6
19 *U*	9 13.3	5 0 24.81	+71.49	146.58	+27 50 53.7	+ 168.9
O	21 40.9	5 30 1.44	+72.20	149.50	+28 13 5.0	+ 51.0
20 *U*	10 8.9	6 0 7.19	+72.64	151.35	+28 11 3.0	− 72.9
O	22 37.2	6 30 28.39	+72.78	152.00	+27 43 53.1	− 199.8
21 *U*	11 5.5	7 0 50.53	+72.63	151.46	+26 51 19.2	− 326.3
O	23 33.6	7 30 59.93	+72.22	149.86	+25 33 45.7	− 449.1
22 *U*	12 1.3	8 0 44.92	+71.60	147.39	+23 52 17.8	− 564.9
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23 *O*	0 28.5	8 29 57.00	−70.85	144.52	+21 48 35.7	− 671.0
U	12 55.0	8 58 31.25	−70.03	141.27	+19 24 47.2	− 765.5
24 *O*	1 20.9	9 26 26.32	−69.21	138.04	+16 43 21.2	− 847.1
U	13 46.2	9 53 44.05	−68.46	135.08	+13 46 58.3	− 914.8
25 *O*	2 10.9	10 20 29.04	−67.83	132.59	+10 38 26.8	− 968.3
U	14 35.1	10 46 47.91	−67.37	130.73	+ 7 20 38.0	−1007.7
26 *O*	2 59.1	11 12 48.88	−67.10	129.59	+ 3 56 22.8	−1032.7
U	15 23.0	11 38 41.13	−67.04	129.26	+ 0 28 32.1	−1043.5
27 *O*	3 46.8	12 4 34.69	−67.22	129.78	− 3 0 4.6	−1040.3
U	16 10.9	12 30 39.78	−67.61	131.16	− 6 26 37.9	−1022.8
28 *O*	4 35.3	12 57 6.75	−68.23	133.38	− 9 48 16.0	− 991.0
U	17 0.2	13 24 5.40	−69.04	136.40	−13 2 4.2	− 944.4
29 *O*	5 25.8	13 51 44.74	−70.02	140.12	−16 5 3.9	− 882.8
U	17 52.2	14 20 12.16	−71.12	144.37	−18 54 11.7	− 805.7

Mittlerer Mittag und Mitternacht.

Datum		AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
		h m s	m s	° ' "	° ' "			' "
Juli	29.0	13 39 34.34	27 5.97	−14 46 38.6	−2 49 41.1	8.23701	−39	16 10.1
	29.5	14 6 40.31	27 51.66	17 36 19.7	2 35 5.1	8.23662	55	16 9.3
	30.0	14 34 31.97	28 40.17	20 11 24.8	2 17 46.1	8.23607	70	16 8.0
	30.5	15 3 12.14	29 28.29	22 29 10.9	1 57 49.6	8.23537	82	16 6.5
	31.0	15 32 40.43	30 12.29	24 27 0.5	1 35 29.3	8.23455	96	16 4.6
	31.5	16 2 52.72	30 48.10	26 2 29.8	1 11 6.6	8.23359	109	16 2.5
Aug.	1.0	16 33 40.82	31 11.93	27 13 36.4	0 45 14.1	8.23250	123	16 0.1
	1.5	17 4 52.75	31 20.80	27 58 50.5	−0 18 31.2	8.23127	136	15 57.4
	2.0	17 36 13.55	31 13.11	28 17 21.7	+0 8 16.3	8.22991	148	15 54.4
	2.5	18 7 26.66		28 9 5.4		8.22843		15 51.1
			30 49.03		+0 34 22.2		−162	
	3.0	18 38 15.69	30 10.37	−27 34 43.2	0 59 3.0	8.22681	175	15 47.6
	3.5	19 8 26.06	29 20.22	26 35 40.2	1 21 44.4	8.22506	186	15 43.8
	4.0	19 37 46.28	28 22.40	25 13 55.8	1 42 1.5	8.22320	197	15 39.8
	4.5	20 6 8.68	27 20.68	23 31 54.3	1 59 39.3	8.22123	205	15 35.5
	5.0	20 33 29.36	26 18.64	21 32 15.0	2 14 34.4	8.21918	212	15 31.1
	5.5	20 59 48.00	25 19.06	19 17 40.6	2 26 48.6	8.21706	215	15 26.6
	6.0	21 25 7.06	24 24.10	16 50 52.0	2 36 30.9	8.21491	217	15 22.0
	6.5	21 49 31.16	23 35.19	14 14 21.1	2 43 52.2	8.21274	215	15 17.4
	7.0	22 13 6.35	22 53.33	11 30 28.9	2 49 5.0	8.21059	208	15 12.9
	7.5	22 35 59.68		8 41 23.9		8.20851		15 8.5
			22 18.98		+2 52 22.5		−200	
	8.0	22 58 18.66	21 52.41	−5 49 1.4	2 53 56.2	8.20651	187	15 4.3
	8.5	23 20 11.07	21 33.68	2 55 5.2	2 53 55.8	8.20464	171	15 0.5
	9.0	23 41 44.75	21 22.73	−0 1 9.4	2 52 29.8	8.20293	152	14 56.9
	9.5	0 3 7.48	21 19.49	+2 51 20.4	2 49 45.2	8.20141	129	14 53.8
	10.0	0 24 26.97	21 23.75	5 41 5.6	2 45 45.6	8.20012	103	14 51.1
	10.5	0 45 50.72	21 35.35	8 26 51.2	2 40 33.6	8.19909	75	14 49.0
	11.0	1 7 26.07	21 54.09	11 7 24.8	2 34 8.7	8.19834	45	14 47.5
	11.5	1 29 20.16	22 19.57	13 41 33.5	2 26 29.1	8.19789	−13	14 46.6
	12.0	1 51 39.73	22 51.37	16 8 2.6	2 17 31.4	8.19776	+21	14 46.3
	12.5	2 14 31.10		18 25 34.0		8.19797		14 46.7
			23 28.81		+2 7 10.1		+55	
	13.0	2 37 59.91	24 10.99	+20 32 44.1	1 55 20.1	8.19852	89	14 47.9
	13.5	3 2 10.90	24 56.59	22 28 4.2	1 41 55.1	8.19941	123	14 49.7
	14.0	3 27 7.49	25 44.00	24 9 59.3	1 26 50.7	8.20064	155	14 52.2
	14.5	3 52 51.49	26 31.18	25 36 50.0	1 10 4.3	8.20219	187	14 55.4
	15.0	4 19 22.67	27 15.79	26 46 54.3	0 51 37.1	8.20406	216	14 59.3
	15.5	4 46 38.46	27 55.35	27 38 31.4	0 31 35.7	8.20622	242	15 3.7
	16.0	5 14 33.81	28 27.41	28 10 7.1	+0 10 12.1	8.20864	264	15 8.8
	16.5	5 43 1.22	28 50.05	28 20 19.2	−0 12 16.4	8.21128	282	15 14.3
	17.0	6 11 51.27	29 1.98	28 8 2.8	0 35 24.9	8.21410	295	15 20.3
	17.5	6 40 53.25		27 32 37.9		8.21705		15 26.6

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1ʰ Länge	Dekl.	Bew. in 1ʰ Länge
	h m	h m s	s	s	° ′ ″	″
Juli 29 *O*	5 25.8	13 51 44.74	−70.02	140.12	−16 5 3.9	−882.8
U	17 52.2	14 20 12.16	−71.12	144.37	−18 54 11.7	−805.7
30 *O*	6 19.5	14 49 32.61	−72.27	148.91	−21 26 22.0	−713.1
U	18 47.7	15 19 47.80	−73.39	153.43	−23 38 31.0	−605.5
31 *O*	7 16.8	15 50 55.10	−74.38	157.55	−25 27 44.8	−484.0
U	19 46.6	16 22 47.05	−75.15	160.82	−26 51 28.3	−350.8
Aug. 1 *O*	8 17.0	16 55 11.22	−75.61	162.89	−27 47 39.6	−209.3
U	20 47.6	17 27 50.97	−75.70	163.44	−28 15 3.0	−63.5
2 *O*	9 18.1	18 0 27.06	−75.39	162.34	−28 13 15.7	+ 81.7
U	21 48.3	18 32 39.94	−74.70	159.65	−27 42 54.3	+221.4
3 *O*	10 17.8	19 4 11.82	−73.67	155.61	−26 45 29.5	+351.6
U	22 46.3	19 34 48.74	−72.40	150.59	−25 23 16.2	+469.0
4 *O*	11 13.8	20 4 21.35	−70.96	144.98	−23 39 0.5	+571.7
U	23 40.2	20 32 45.02	−69.46	139.19	−21 35 45.5	+658.8
5 *O*	12 5.4	20 59 59.58	−68.02	133.27	−19 16 37.5	+730.4
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6 *U*	0 29.5	21 26 8.05	+66.57	127.97	−16 44 37.9	+787.5
O	12 52.6	21 51 16.08	+65.29	123.23	−14 2 36.5	+830.9
7 *U*	1 14.8	22 15 30.84	+64.17	119.16	−11 13 7.5	+862.2
O	13 36.3	22 39 0.52	+63.24	115.75	− 8 18 30.1	+882.5
8 *U*	1 57.1	23 1 53.76	+62.51	113.10	− 5 20 47.4	+893.2
O	14 17.5	23 24 19.37	+61.99	111.19	− 2 21 49.2	+895.2
9 *U*	2 37.6	23 46 26.22	+61.67	110.01	+ 0 36 46.3	+889.5
O	14 57.5	0 8 22.98	+61.57	109.54	+ 3 33 29.9	+876.6
10 *U*	3 17.4	0 30 18.22	+61.67	109.79	+ 6 26 59.5	+857.2
O	15 37.4	0 52 20.34	+61.96	110.73	+ 9 15 56.7	+831.2
11 *U*	3 57.7	1 14 37.48	+62.45	112.33	+11 59 4.3	+798.8
O	16 18.3	1 37 17.51	+63.11	114.57	+14 35 4.0	+759.8
12 *U*	4 39.5	2 0 27.93	+63.93	117.41	+17 2 33.7	+713.8
O	17 1.2	2 24 15.67	+64.89	120.81	+19 20 7.0	+660.2
13 *U*	5 23.7	2 48 46.84	+65.95	124.66	+21 26 9.0	+598.5
O	17 47.0	3 14 6.35	+67.10	128.85	+23 18 58.2	+527.9
14 *U*	6 11.2	3 40 17.45	+68.27	133.24	+24 56 44.8	+447.9
O	18 36.2	4 7 21.32	+69.40	137.61	+26 17 34.7	+358.2
15 *U*	7 2.1	4 35 16.42	+70.46	141.72	+27 19 30.5	+258.9
O	19 28.7	5 3 58.34	+71.36	145.34	+28 0 39.6	+150.6
16 *U*	7 56.0	5 33 19.63	+72.06	148.20	+28 19 20.1	+ 34.4
O	20 23.8	6 3 10.10	+72.52	150.13	+28 14 8.5	− 87.8
17 *U*	8 51.9	6 33 17.63	+72.71	150.99	+27 44 8.3	−213.3
O	21 20.1	7 3 29.41	+72.63	150.78	+26 48 56.4	−339.2

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Aug. 17.0	6 11 51.27	29 1.98	+28 8 2.8	−0 35 24.9	8.21410	+295	15 20.3
17.5	6 40 53.25	29 2.87	27 32 37.9	0 58 45.4	8.21705	303	15 26.6
18.0	7 9 56.12	28 53.41	26 33 52.5	1 21 47.0	8.22008	305	15 33.0
18.5	7 38 49.53	28 35.22	25 12 5.5	1 43 59.7	8.22313	301	15 39.6
19.0	8 7 24.75	28 10.61	23 28 5.8	2 4 53.8	8.22614	291	15 46.1
19.5	8 35 35.36	27 42.17	21 23 12.0	2 24 4.4	8.22905	274	15 52.5
20.0	9 3 17.53	27 12.63	18 59 7.6	2 41 9.5	8.23179	252	15 58.5
20.5	9 30 30.16	26 44.46	16 17 58.1	2 55 52.4	8.23431	225	16 4.1
21.0	9 57 14.62	26 19.85	13 22 5.7	3 7 59.3	8.23656	193	16 9.1
21.5	10 23 34.47	26 0.53	10 14 6.4	−3 17 20.6	8.23849	+157	16 13.4
22.0	10 49 35.00	25 47.83	+6 56 45.8	3 23 49.5	8.24006	119	16 17.0
22.5	11 15 22.83	25 42.71	3 32 56.3	3 27 20.8	8.24125	81	16 19.7
23.0	11 41 5.54	25 45.73	+0 5 35.5	3 27 52.2	8.24206	42	16 21.5
23.5	12 6 51.27	25 57.18	−3 22 16.7	3 25 22.4	8.24248	+5	16 22.4
24.0	12 32 48.45	26 16.86	6 47 39.1	3 19 50.9	8.24253	−31	16 22.5
24.5	12 59 5.31	26 44.28	10 7 30.0	3 11 18.2	8.24222	64	16 21.8
25.0	13 25 49.59	27 18.39	13 18 48.2	2 59 46.8	8.24158	93	16 20.4
25.5	13 53 7.98	27 57.63	16 18 35.0	2 45 21.3	8.24065	119	16 18.3
26.0	14 21 5.61	28 39.89	19 3 56.3	2 28 8.7	8.23946	140	16 15.6
26.5	14 49 45.50	29 22.20	21 32 5.0	−2 8 19.7	8.23806	−158	16 12.5
27.0	15 19 7.70	30 1.32	−23 40 24.7	1 46 11.3	8.23648	172	16 9.0
27.5	15 49 9.02	30 33.56	25 26 36.0	1 22 7.1	8.23476	181	16 5.1
28.0	16 19 42.58	30 55.46	26 48 43.1	0 56 37.6	8.23295	190	16 1.1
28.5	16 50 38.04	31 4.24	27 45 20.7	0 30 19.6	8.23105	194	15 56.9
29.0	17 21 42.28	30 58.25	28 15 40.3	−0 3 54.2	8.22911	198	15 52.7
29.5	17 52 40.53	30 37.34	28 19 34.5	+0 21 57.5	8.22713	198	15 48.3
30.0	18 23 17.87	30 2.79	27 57 37.0	0 46 37.5	8.22515	199	15 44.0
30.5	18 53 20.66	29 17.21	27 10 59.5	1 9 33.3	8.22316	199	15 39.7
31.0	19 22 37.87	28 23.78	26 1 26.2	1 30 21.9	8.22117	198	15 35.4
31.5	19 51 1.65	27 26.00	24 31 4.3	+1 48 48.4	8.21919	−195	15 31.1
Sept. 1.0	20 18 27.65	26 27.08	−22 42 15.9	2 4 46.7	8.21724	194	15 27.0
1.5	20 44 54.73	25 29.74	20 37 29.2	2 18 16.3	8.21530	191	15 22.8
2.0	21 10 24.47	24 36.15	18 19 12.9	2 29 22.0	8.21339	188	15 18.8
2.5	21 35 0.62	23 47.79	15 49 50.9	2 38 11.6	8.21151	183	15 14.8
3.0	21 58 48.41	23 5.69	13 11 39.3	2 44 54.4	8.20968	179	15 11.0
3.5	22 21 54.10	22 30.44	10 26 44.9	2 49 39.1	8.20789	172	15 7.2
4.0	22 44 24.54	22 2.38	7 37 5.8	2 52 36.2	8.20617	163	15 3.6
4.5	23 6 26.92	21 41.60	4 44 29.6	2 53 52.9	8.20454	154	15 0.3
5.0	23 28 8.52	21 28.10	−1 50 36.7	2 53 36.7	8.20300	143	14 57.1
5.5	23 49 36.62		+1 3 0.0		8.20157		14 54.1

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1ʰ Länge	Dekl.	Bew. in 1ʰ Länge
	h m	h m s	s	s	° ′ ″	″
Aug. 17 *U*	8 51.9	6 33 17.63	+72.71	150.99	+27 44 8.3	− 213.3
O	21 20.1	7 3 29.41	+72.63	150.78	+26 48 56.4	− 339.2
18 *U*	9 48.2	7 33 33.02	+72.30	149.61	+25 28 46.4	− 462.5
O	22 15.8	8 3 17.84	+71.78	147.65	+23 44 29.2	− 579.9
19 *U*	10 43.0	8 32 35.92	+71.13	145.17	+21 37 30.4	− 688.9
O	23 9.7	9 1 22.48	+70.41	142.44	+19 9 46.0	− 787.2
20 *U*	11 35.9	9 29 36.04	+69.70	139.73	+16 23 36.4	− 872.7
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21 *O*	0 1.6	9 57 18.14	+69.05	137.34	+13 21 41.7	− 944.5
U	12 26.8	10 24 32.87	−68.52	135.27	+10 6 54.8	−1001.2
22 *O*	0 51.6	10 51 26.35	−68.14	133.80	+ 6 42 19.5	−1042.4
U	13 16.3	11 18 6.37	−67.95	133.02	+ 3 11 5.3	−1067.6
23 *O*	1 40.8	11 44 41.64	−67.98	132.99	− 0 23 33.5	−1076.3
U	14 5.5	12 11 21.54	−68.21	133.76	− 3 58 19.8	−1068.7
24 *O*	2 30.3	12 38 15.76	−68.66	135.34	− 7 29 55.9	−1044.5
U	14 55.6	13 5 33.72	−69.31	137.68	−10 55 2.9	−1003.8
25 *O*	3 21.4	13 33 24.12	−70.13	140.71	−14 10 22.1	− 946.5
U	15 47.8	14 1 54.39	−71.08	144.28	−17 12 36.4	− 872.8
26 *O*	4 15.0	14 31 9.96	−72.11	148.21	−19 58 31.5	− 783.4
U	16 43.0	15 1 13.33	−73.12	152.20	−22 25 2.2	− 678.8
27 *O*	5 11.8	15 32 3.40	−74.06	155.94	−24 29 14.8	− 560.6
U	17 41.3	16 3 34.75	−74.83	159.05	−26 8 37.9	− 430.9
28 *O*	6 11.3	16 35 37.48	−75.33	161.14	−27 21 10.6	− 292.6
U	18 41.6	17 7 57.68	−75.50	161.96	−28 5 31.8	− 149.7
29 *O*	7 11.9	17 40 18.61	−75.32	161.31	−28 21 9.9	− 6.2
U	19 41.9	18 12 22.54	−74.77	159.19	−28 8 24.4	+ 133.7
30 *O*	8 11.3	18 43 52.59	−73.88	155.76	−27 28 22.8	+ 265.8
U	20 40.0	19 14 34.82	−72.74	151.31	−26 22 56.4	+ 387.2
31 *O*	9 7.7	19 44 19.05	−71.41	146.17	−24 54 28.4	+ 495.9
U	21 34.3	20 12 59.36	−69.98	140.72	−23 5 39.2	+ 590.5
Sept. 1 *O*	9 59.8	20 40 33.93	−68.52	135.27	−20 59 18.9	+ 671.0
U	22 24.3	21 7 4.35	−67.12	130.07	−18 38 16.7	+ 737.1
2 *O*	10 47.8	21 32 34.85	−65.82	125.29	−16 5 16.1	+ 790.9
U	23 10.4	21 57 11.41	−64.65	121.08	−13 22 47.9	+ 832.1
3 *O*	11 32.2	22 21 1.23	−63.64	117.48	−10 33 13.6	+ 862.1
U	23 53.3	22 44 12.14	−62.82	114.57	− 7 38 41.3	+ 881.9
4 *O*	12 13.9	23 6 52.31	+62.19	112.25	− 4 41 7.7	+ 892.3
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5 *U*	0 34.2	23 29 10.00	+61.76	110.73	− 1 42 20.4	+ 894.2
O	12 54.3	23 51 13.34	+61.53	109.89	+ 1 16 1.8	+ 888.2

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Sept. 5.0	23 28 8.52	21 28.10	− 1 50 36.7	+2 53 36.7	8.20300	−143	14 57.1
5.5	23 49 36.62	21 21.78	+ 1 3 0.0	2 51 53.4	8.20157	128	14 54.1
6.0	0 10 58.40	21 22.48	3 54 53.4	2 48 47.4	8.20029	112	14 51.5
6.5	0 32 20.88	21 30.04	6 43 40.8	2 44 21.5	8.19917	94	14 49.2
7.0	0 53 50.92	21 44.15	9 28 2.3	2 38 37.6	8.19823	72	14 47.3
7.5	1 15 35.07	22 4.60	12 6 39.9	2 31 35.6	8.19751	49	14 45.8
8.0	1 37 39.67	22 30.90	14 38 15.5	2 23 14.1	8.19702	− 23	14 44.8
8.5	2 0 10.57	23 2.51	17 1 29.6	2 13 31.1	8.19679	+ 4	14 44.3
9.0	2 23 13.08	23 38.68	19 15 0.7	2 2 23.8	8.19683	33	14 44.4
9.5	2 46 51.76	24 18.43	21 17 24.5	+1 49 49.2	8.19716	+ 64	14 45.1
10.0	3 11 10.19	25 0.40	+23 7 13.7	1 35 44.6	8.19780	96	14 46.4
10.5	3 36 10.59	25 43.06	24 42 58.3	1 20 9.0	8.19876	129	14 48.3
11.0	4 1 53.65	26 24.53	26 3 7.3	1 3 2.7	8.20005	162	14 51.0
11.5	4 28 18.18	27 2.77	27 6 10.0	0 44 29.8	8.20167	193	14 54.3
12.0	4 55 20.95	27 35.75	27 50 39.8	0 24 38.4	8.20360	225	14 58.3
12.5	5 22 56.70	28 1.70	28 15 18.2	+0 3 40.9	8.20585	254	15 3.0
13.0	5 50 58.40	28 19.19	28 18 59.1	−0 18 6.6	8.20839	281	15 8.3
13.5	6 19 17.59	28 27.59	28 0 52.5	0 40 23.7	8.21120	304	15 14.2
14.0	6 47 45.18	28 26.91	27 20 28.8	1 2 47.4	8.21424	323	15 20.6
14.5	7 16 12.09	28 18.12	26 17 41.4	−1 24 53.4	8.21747	+337	15 27.5
15.0	7 44 30.21	28 2.74	+24 52 48.0	1 46 17.6	8.22084	345	15 34.7
15.5	8 12 32.95	27 42.81	23 6 30.4	2 6 36.1	8.22429	348	15 42.1
16.0	8 40 15.76	27 20.61	20 59 54.3	2 25 27.2	8.22777	343	15 49.7
16.5	9 7 36.37	26 58.43	18 34 27.1	2 42 31.5	8.23120	330	15 57.2
17.0	9 34 34.80	26 38.38	15 51 55.6	2 57 30.3	8.23450	309	16 4.5
17.5	10 1 13.18	26 22.36	12 54 25.3	3 10 7.0	8.23759	282	16 11.4
18.0	10 27 35.54	26 11.88	9 44 18.3	3 20 6.3	8.24041	247	16 17.7
18.5	10 53 47.42	26 8.10	6 24 12.0	3 27 14.5	8.24288	206	16 23.3
19.0	11 19 55.52	26 11.86	+ 2 56 57.5	3 31 19.2	8.24494	160	16 28.0
19.5	11 46 7.38	26 23.67	− 0 34 21.7	−3 32 9.4	8.24654	+111	16 31.7
20.0	12 12 31.05	26 43.57	− 4 6 31.1	3 29 36.3	8.24765	58	16 34.2
20.5	12 39 14.62	27 11.26	7 36 7.4	3 23 34.2	8.24823	+ 6	16 35.5
21.0	13 6 25.88	27 45.85	10 59 41.6	3 14 0.9	8.24829	− 44	16 35.7
21.5	13 34 11.73	28 25.86	14 13 42.5	3 0 58.3	8.24785	94	16 34.6
22.0	14 2 37.59	29 9.10	17 14 40.8	2 44 33.2	8.24691	137	16 32.5
22.5	14 31 46.69	29 52.70	19 59 14.0	2 24 59.2	8.24554	176	16 29.4
23.0	15 1 39.39	30 33.16	22 24 13.2	2 2 37.8	8.24378	208	16 25.4
23.5	15 32 12.55	31 6.56	24 26 51.0	1 37 58.2	8.24170	234	16 20.7
24.0	16 3 19.11	31 29.25	26 4 49.2	1 11 37.4	8.23936	255	16 15.4
24.5	16 34 48.36		27 16 26.6		8.23681		16 9.7

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge
		h m	h m s	s	s	° ′ ″	″
Sept. 5	U	0 34.2	23 29 10.00	+61.76	110.73	— 1 42 20.4	+ 894.2
	O	12 54.3	23 51 13.34	+61.53	109.89	+ 1 16 1.8	+ 888.2
6	U	1 14.2	0 13 10.39	+61.49	109.72	+ 4 12 26.6	+ 874.8
	O	13 34.1	0 35 8.96	+61.65	110.18	+ 7 5 26.8	+ 854.1
7	U	1 54.2	0 57 16.71	+61.98	111.28	+ 9 53 37.2	+ 826.5
	O	14 14.6	1 19 40.97	+62.50	112.97	+12 35 34.9	+ 791.9
8	U	2 35.4	1 42 28.77	+63.17	115.22	+15 9 55.4	+ 750.2
	O	14 56.7	2 5 46.64	+63.98	117.99	+17 35 12.3	+ 701.1
9	U	3 18.5	2 29 40.43	+64.91	121.22	+19 49 55.8	+ 644.5
	O	15 41.0	2 54 15.19	+65.92	124.81	+21 52 32.0	+ 579.9
10	U	4 4.3	3 19 34.60	+66.99	128.66	+23 41 22.6	+ 506.8
	O	16 28.4	3 45 40.86	+68.07	132.60	+25 14 45.5	+ 425.1
11	U	4 53.3	4 12 34.18	+69.11	136.45	+26 30 57.1	+ 334.8
	O	17 18.8	4 40 12.37	+70.07	140.03	+27 28 14.6	+ 236.2
12	U	5 45.1	5 8 30.89	+70.86	143.12	+28 5 1.6	+ 129.9
	O	18 12.0	5 37 22.72	+71.48	145.52	+28 19 53.1	+ 17.1
13	U	6 39.2	6 6 38.84	+71.88	147.10	+28 11 40.8	— 100.4
	O	19 6.6	6 36 8.96	+72.05	147.80	+27 39 38.8	— 220.7
14	U	7 34.1	7 5 42.43	+71.98	147.62	+26 43 28.6	— 341.5
	O	20 1.5	7 35 9.22	+71.72	146.67	+25 23 19.8	— 460.1
15	U	8 28.7	8 4 20.99	+71.30	145.12	+23 39 52.0	— 574.3
	O	20 55.5	8 33 11.70	+70.76	143.19	+21 34 12.8	— 681.6
16	U	9 21.9	9 1 38.02	+70.19	141.09	+19 7 55.6	— 780.2
	O	21 47.9	9 29 39.35	+69.64	139.06	+16 22 56.7	— 868.3
17	U	10 13.5	9 57 17.80	+69.14	137.31	+13 21 32.6	— 944.1
	O	22 38.7	10 24 37.63	+68.78	136.01	+10 6 18.6	—1006.2
18	U	11 3.8	10 51 45.03	+68.57	135.29	+ 6 40 6.4	—1053.6
	O	23 28.8	11 18 47.63	+68.54	135.25	+ 3 6 2.2	—1084.7
19	U	11 53.9	11 45 54.03	—68.72	135.93	— 0 32 33.9	—1098.6
—		—	—	—	—	—	—
20	O	0 19.2	12 13 13.48	—69.11	137.39	— 4 12 9.1	—1094.3
	U	12 44.8	12 40 55.34	—69.71	139.63	— 7 49 0.8	—1071.1
21	O	1 11.0	13 9 8.56	—70.50	142.58	—11 19 18.9	—1028.5
	U	13 37.8	13 38 1.12	—71.43	146.13	—14 39 9.0	— 966.4
22	O	2 5.4	14 7 39.17	—72.46	150.11	—17 44 37.4	— 884.9
	U	14 33.8	14 38 6.12	—73.52	154.24	—20 31 57.5	— 785.0
23	O	3 3.0	15 9 21.81	—74.52	158.18	—22 57 37.1	— 668.4
	U	15 33.0	15 41 21.66	—75.37	161.55	—24 58 29.6	— 537.6
24	O	4 3.5	16 13 56.19	—75.97	163.93	—26 32 3.6	— 395.8
	U	16 34.4	16 46 51.48	—76.25	165.01	—27 36 34.8	— 247.8

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Sept. 24.0	16 3 19.11	31 29.25	−26 4 49.2	−1 11 37.4	8.23936	−255	16 15.4
24.5	16 34 48.36	31 38.13	27 16 26.6	0 44 19.2	8.23681	268	16 9.7
25.0	17 6 26.49	31 31.40	28 0 45.8	−0 16 50.5	8.23413	277	16 3.7
25.5	17 37 57.89	31 8.84	28 17 36.3	+0 10 2.5	8.23136	280	15 57.6
26.0	18 9 6.73	30 31.89	28 7 33.8	0 35 38.3	8.22856	278	15 51.4
26.5	18 39 38.62	29 43.23	27 31 55.5	0 59 23.8	8.22578	273	15 45.4
27.0	19 9 21.85	28 46.42	26 32 31.7	1 20 55.8	8.22305	266	15 39.4
27.5	19 38 8.27	27 45.13	25 11 35.9	1 40 1.4	8.22039	255	15 33.7
28.0	20 5 53.40	26 42.81	23 31 34.5	1 56 36.2	8.21784	243	15 28.2
28.5	20 32 36.21	25 42.31	21 34 58.3	+2 10 43.2	8.21541	−230	15 23.1
29.0	20 58 18.52	24 45.84	−19 24 15.1	2 22 28.8	8.21311	217	15 18.2
29.5	21 23 4.36	23 54.92	17 1 46.3	2 32 2.1	8.21094	202	15 13.6
30.0	21 46 59.28	23 10.58	14 29 44.2	2 39 33.2	8.20892	188	15 9.4
30.5	22 10 9.86	22 33.35	11 50 11.0	2 45 11.9	8.20704	175	15 5.4
Okt. 1.0	22 32 43.21	22 3.48	9 4 59.1	2 49 6.5	8.20529	160	15 1.8
1.5	22 54 46.69	21 41.02	6 15 52.6	2 51 24.2	8.20369	147	14 58.5
2.0	23 16 27.71	21 25.93	3 24 28.4	2 52 11.2	8.20222	133	14 55.5
2.5	23 37 53.64	21 17.97	−0 32 17.2	2 51 31.6	8.20089	118	14 52.7
3.0	23 59 11.61	21 17.01	+2 19 14.4	2 49 28.5	8.19971	105	14 50.3
3.5	0 20 28.62	21 22.74	5 8 42.9	+2 46 3.2	8.19866	−89	14 48.1
4.0	0 41 51.36	21 34.90	+7 54 46.1	2 41 16.5	8.19777	73	14 46.3
4.5	1 3 26.26	21 53.11	10 36 2.6	2 35 8.2	8.19704	57	14 44.8
5.0	1 25 19.37	22 16.92	13 11 10.8	2 27 36.7	8.19647	39	14 43.7
5.5	1 47 36.29	22 45.75	15 38 47.5	2 18 40.2	8.19608	−20	14 42.9
6.0	2 10 22.04	23 18.85	17 57 27.7	2 8 17.1	8.19588	+1	14 42.5
6.5	2 33 40.89	23 55.24	20 5 44.8	1 56 26.0	8.19589	23	14 42.5
7.0	2 57 36.13	24 33.69	22 2 10.8	1 43 5.6	8.19612	47	14 43.0
7.5	3 22 9.82	25 12.74	23 45 16.4	1 28 16.6	8.19659	72	14 43.9
8.0	3 47 22.56	25 50.72	25 13 33.0	1 12 1.8	8.19731	98	14 45.4
8.5	4 13 13.28	26 25.84	26 25 34.8	+0 54 26.4	8.19829	+126	14 47.4
9.0	4 39 39.12	26 56.29	+27 20 1.2	0 35 39.1	8.19955	155	14 50.0
9.5	5 6 35.41	27 20.48	27 55 40.3	+0 15 51.0	8.20110	183	14 53.1
10.0	5 33 55.89	27 37.20	28 11 31.3	−0 4 42.7	8.20293	213	14 56.9
10.5	6 1 33.09	27 45.79	28 6 48.6	0 25 44.3	8.20506	241	15 1.3
11.0	6 29 18.88	27 46.28	27 41 4.3	0 46 55.6	8.20747	268	15 6.3
11.5	6 57 5.16	27 39.42	26 54 8.7	1 7 57.3	8.21015	294	15 12.0
12.0	7 24 44.58	27 26.50	25 46 11.4	1 28 30.1	8.21309	317	15 18.1
12.5	7 52 11.08	27 9.29	24 17 41.3	1 48 16.6	8.21626	336	15 24.9
13.0	8 19 20.37	26 49.85	22 29 24.7	2 7 1.4	8.21962	350	15 32.1
13.5	8 46 10.22		20 22 23.3		8.22312		15 39.6

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
		h m	h m s	s	s	° ′ ″	″
Sept. 24	*O*	4 3.5	16 13 56.19	−75.97	163.93	−26 32 3.6	−395.8
	U	16 34.4	16 46 51.48	−76.25	165.01	−27 36 34.8	−247.8
25	*O*	5 5.3	17 19 50.27	−76.14	164.54	−28 11 14.7	− 98.1
	U	17 36.1	17 52 33.68	−75.66	162.50	−28 16 12.3	+ 48.4
26	*O*	6 6.4	18 24 43.58	−74.80	159.05	−27 52 32.4	+187.4
	U	18 35.7	18 56 4.49	−73.65	154.44	−27 2 6.9	+315.4
27	*O*	7 3.8	19 26 24.98	−72.28	149.07	−25 47 21.7	+430.3
	U	19 30.8	19 55 38.25	−70.80	143.32	−24 11 2.6	+531.0
28	*O*	7 56.8	20 23 41.88	−69.28	137.53	−22 16 3.0	+617.1
	U	20 21.7	20 50 37.18	−67.78	131.97	−20 5 13.3	+689.2
29	*O*	8 45.6	21 16 28.39	−66.38	126.85	−17 41 16.8	+748.4
	U	21 8.4	21 41 21.61	−65.11	122.31	−15 6 43.5	+795.6
30	*O*	9 30.4	22 5 24.31	−63.99	118.41	−12 23 51.2	+831.7
	U	21 51.7	22 28 44.52	−63.07	115.21	− 9 34 45.0	+858.0
Okt. 1	*O*	10 12.5	22 51 30.67	−62.33	112.70	− 6 41 18.8	+875.1
	U	22 32.8	23 13 51.09	−61.79	110.89	− 3 45 18.3	+883.8
2	*O*	10 52.8	23 35 54.12	−61.46	109.76	− 0 48 20.8	+884.6
	U	23 12.7	23 57 47.74	−61.31	109.30	+ 2 8 1.0	+877.9
3	*O*	11 32.5	0 19 39.84	−61.36	109.47	+ 5 2 18.3	+863.8
	U	23 52.5	0 41 37.89	+61.59	110.32	+ 7 53 3.2	+842.5
4	*O*	12 12.6	1 3 49.13	+61.98	111.72	+10 38 49.6	+814.0
—		—	—	—	—	—	—
5	*U*	0 33.1	1 26 20.31	+62.55	113.67	+13 18 8.9	+777.9
	O	12 54.0	1 49 17.75	+63.25	116.12	+15 49 31.7	+734.5
6	*U*	1 15.5	2 12 47.12	+64.08	119.00	+18 11 25.8	+683.0
	O	13 37.6	2 36 53.21	+65.00	122.24	+20 22 15.4	+623.6
7	*U*	2 0.3	3 1 39.68	+65.99	125.72	+22 20 22.7	+555.9
	O	14 23.8	3 27 8.77	+66.99	129.32	+24 4 7.9	+479.9
8	*U*	2 47.9	3 53 20.93	+67.97	132.87	+25 31 51.4	+395.6
	O	15 12.8	4 20 14.65	+68.89	136.20	+26 41 56.2	+303.5
9	*U*	3 38.3	4 47 46.16	+69.69	139.12	+27 32 51.9	+204.2
	O	16 4.3	5 15 49.68	+70.33	141.47	+28 3 18.9	+ 98.9
10	*U*	4 30.7	5 44 17.46	+70.79	143.11	+28 12 11.9	− 11.3
	O	16 57.4	6 13 0.53	+71.04	143.98	+27 58 44.9	−124.2
11	*U*	5 24.2	6 41 49.45	+71.08	144.05	+27 22 33.9	−237.9
	O	17 50.9	7 10 35.11	+70.93	143.41	+26 23 37.8	−351.0
12	*U*	6 17.4	7 39 9.56	+70.61	142.18	+25 2 19.3	−461.7
	O	18 43.7	8 7 26.82	+70.18	140.55	+23 19 21.9	−567.5
13	*U*	7 9.6	8 35 23.19	+69.70	138.73	+21 15 48.7	−667.4
	O	19 35.1	9 2 57.51	+69.19	136.91	+18 53 0.5	−759.8

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Okt. 13.0	8 19 20.37	26 49.85	+22 29 24.7	−2 7 1.4	8.21962	+350	15 32.1
13.5	8 46 10.22	26 30.19	20 22 23.3	2 24 29.2	8.22312	360	15 39.6
14.0	9 12 40.41	26 12.35	17 57 54.1	2 40 26.3	8.22672	363	15 47.4
14.5	9 38 52.76	25 58.14	15 17 27.8	2 54 39.4	8.23035	359	15 55.4
15.0	10 4 50.90	25 49.12	12 22 48.4	3 6 54.1	8.23394	347	16 3.3
15.5	10 30 40.02	25 46.55	9 15 54.3	3 16 55.8	8.23741	327	16 11.0
16.0	10 56 26.57	25 51.45	5 58 58.5	3 24 28.3	8.24068	299	16 18.4
16.5	11 22 18.02	26 4.55	+ 2 34 30.2	3 29 14.6	8.24367	263	16 25.1
17.0	11 48 22.57	26 26.26	− 0 54 44.4	3 30 56.5	8.24630	218	16 31.1
17.5	12 14 48.83	26 56.63	4 25 40.9	−3 29 17.0	8.24848	+167	16 36.1
18.0	12 41 45.46	27 35.16	− 7 54 57.9	3 24 0.3	8.25015	112	16 39.9
18.5	13 9 20.62	28 20.77	11 18 58.2	3 14 53.9	8.25127	+ 53	16 42.5
19.0	13 37 41.39	29 11.61	14 33 52.1	3 1 51.7	8.25180	− 7	16 43.8
19.5	14 6 53.00	30 4.92	17 35 43.8	2 44 55.0	8.25173	66	16 43.7
20.0	14 36 57.92	30 56.98	20 20 38.8	2 24 15.9	8.25107	125	16 42.1
20.5	15 7 54.90	31 43.34	22 44 54.7	2 0 18.9	8.24982	177	16 39.3
21.0	15 39 38.24	32 19.20	24 45 13.6	1 33 41.7	8.24805	222	16 35.1
21.5	16 11 57.44	32 40.23	26 18 55.3	1 5 14.1	8.24583	260	16 30.0
22.0	16 44 37.67	32 43.21	27 24 9.4	0 35 54.2	8.24323	292	16 24.1
22.5	17 17 20.88	32 26.85	28 0 3.6	−0 6 44.2	8.24031	−317	16 17.5
23.0	17 49 47.73	31 52.03	−28 6 47.8	+0 21 19.0	8.23714	333	16 10.4
23.5	18 21 39.76	31 1.58	27 45 28.8	0 47 28.5	8.23381	340	16 3.0
24.0	18 52 41.34	29 59.70	26 58 0.3	1 11 9.4	8.23041	341	15 55.5
24.5	19 22 41.04	28 50.98	25 46 50.9	1 32 3.2	8.22700	337	15 48.0
25.0	19 51 32.02	27 39.88	24 14 47.7	1 50 3.4	8.22363	327	15 40.7
25.5	20 19 11.90	26 30.11	22 24 44.3	2 5 14.5	8.22036	313	15 33.6
26.0	20 45 42.01	25 24.51	20 19 29.8	2 17 46.6	8.21723	296	15 26.9
26.5	21 11 6.52	24 25.10	18 1 43.2	2 27 53.7	8.21427	275	15 20.6
27.0	21 35 31.62	23 33.02	15 33 49.5	2 35 50.8	8.21152	254	15 14.8
27.5	21 59 4.64	22 48.97	12 57 58.7	+2 41 51.7	8.20898	−231	15 9.5
28.0	22 21 53.61	22 13.22	−10 16 7.0	2 46 8.6	8.20667	208	15 4.7
28.5	22 44 6.83	21 45.76	7 29 58.4	2 48 51.7	8.20459	185	15 0.4
29.0	23 5 52.59	21 26.37	4 41 6.7	2 50 8.4	8.20274	161	14 56.5
29.5	23 27 18.96	21 14.85	− 1 50 58.3	2 50 4.2	8.20113	138	14 53.2
30.0	23 48 33.81	21 10.90	+ 0 59 5.9	2 48 42.2	8.19975	118	14 50.4
30.5	0 9 44.71	21 14.20	3 47 48.1	2 46 3.3	8.19857	97	14 48.0
31.0	0 30 58.91	21 24.36	6 33 51.4	2 42 7.3	8.19760	76	14 46.0
31.5	0 52 23.27	21 40.99	9 15 58.7	2 36 52.5	8.19684	57	14 44.4
Nov. 1.0	1 14 4.26	22 3.59	11 52 51.2	2 30 16.0	8.19627	40	14 43.3
1.5	1 36 7.85		14 23 7.2		8.19587		14 42.4

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
		h m	h m s	s	s	° ′ ″	″
Okt. 13	U	7 9.6	8 35 23.19	+69.70	138.73	+21 15 48.7	− 667.4
	O	19 35.1	9 2 57.51	+69.19	136.91	+18 53 0.5	− 759.8
14	U	8 0.3	9 30 10.97	+68.74	135.30	+16 12 33.3	− 843.6
	O	20 25.2	9 57 7.19	+68.38	134.07	+13 16 18.1	− 917.6
15	U	8 49.9	10 23 51.47	+68.16	133.36	+10 6 20.2	− 980.5
	O	21 14.5	10 50 30.87	+68.12	133.30	+ 6 45 0.9	−1030.9
16	U	9 39.1	11 17 13.76	+68.25	133.99	+ 3 14 58.2	−1067.3
	O	22 4.0	11 44 9.34	+68.62	135.48	− 0 20 50.4	−1088.2
17	U	10 29.3	12 11 27.52	+69.19	137.80	− 3 59 7.8	−1091.7
	O	22 55.1	12 39 18.28	+69.99	140.95	− 7 36 15.8	−1076.4
18	U	11 21.6	13 7 51.28	+70.97	144.86	− 11 8 17.4	−1040.3
	O	23 49.0	13 37 14.93	−72.10	149.20	−14 30 58.3	− 982.6
19	U	12 17.3	14 7 35.64	−73.35	154.13	−17 39 53.9	− 902.6
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20	O	0 46.6	14 38 56.44	−74.59	159.15	−20 30 38.2	− 800.8
	U	13 16.8	15 11 15.92	−75.76	163.85	−22 58 56.9	− 678.5
21	O	1 48.0	15 44 27.01	−76.70	167.71	−25 1 1.9	− 539.0
	U	14 19.7	16 18 16.72	−77.33	170.24	−26 33 51.2	− 386.6
22	O	2 51.8	16 52 26.63	−77.55	171.07	−27 35 24.2	− 227.3
	U	15 23.9	17 26 34.74	−77.32	169.98	−28 4 54.1	− 67.2
23	O	3 55.6	18 0 17.98	−76.65	167.02	−28 2 50.0	+ 87.3
	U	16 26.5	18 33 15.21	−75.55	162.45	−27 30 50.2	+ 231.2
24	O	4 56.3	19 5 10.01	−74.17	156.71	−26 31 26.0	+ 360.8
	U	17 25.0	19 35 51.02	−72.58	150.28	−25 7 43.1	+ 474.1
25	O	5 52.3	20 5 13.03	−70.90	143.63	−23 23 1.1	+ 570.5
	U	18 18.3	20 33 15.84	−69.22	137.13	−21 20 39.6	+ 650.8
26	O	6 43.0	21 0 3.10	−67.61	131.08	−19 3 45.5	+ 716.2
	U	19 6.6	21 25 41.38	−66.13	125.64	−16 35 9.6	+ 768.1
27	O	7 29.2	21 50 18.85	−64.82	120.93	−13 57 23.6	+ 808.0
	U	19 51.0	22 14 4.56	−63.69	116.99	−11 12 40.5	+ 837.7
28	O	8 12.0	22 37 7.98	−62.78	113.84	− 8 22 57.3	+ 858.2
	U	20 32.5	22 59 38.54	−62.07	111.48	− 5 29 58.7	+ 870.4
29	O	8 52.6	23 21 45.49	−61.59	109.87	− 2 35 18.8	+ 875.2
	U	21 12.4	23 43 37.70	−61.31	108.98	+ 0 19 35.1	+ 872.8
30	O	9 32.1	0 5 23.67	−61.22	108.81	+ 3 13 19.9	+ 863.5
	U	21 51.9	0 27 11.67	−61.32	109.29	+ 6 4 34.0	+ 847.6
31	O	10 11.8	0 49 9.43	−61.62	110.40	+ 8 51 56.0	+ 824.7
	U	22 32.1	1 11 24.28	−62.09	112.11	+11 34 1.3	+ 794.9
Nov. 1	O	10 52.7	1 34 3.00	−62.71	114.35	+14 9 23.5	+ 757.4
	U	23 13.8	1 57 11.74	−63.46	117.07	+16 36 30.5	+ 712.2

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Nov. 1.0	1 14 4.26	22 3.59	+11 52 51.2	+2 30 16.0	8.19627	− 40	14 43.3
1.5	1 36 7.85	22 31.54	14 23 7.2	2 22 14.6	8.19587	21	14 42.4
2.0	1 58 39.39	23 4.03	16 45 21.8	2 12 45.2	8.19566	− 4	14 42.0
2.5	2 21 43.42	23 40.07	18 58 7.0	2 1 44.7	8.19562	+ 13	14 41.9
3.0	2 45 23.49	24 18.41	20 59 51.7	1 49 11.2	8.19575	31	14 42.2
3.5	3 9 41.90	24 57.46	22 49 2.9	1 35 4.8	8.19606	48	14 42.8
4.0	3 34 39.36	25 35.54	24 24 7.7	1 19 28.4	8.19654	67	14 43.8
4.5	4 0 14.90	26 10.72	25 43 36.1	1 2 27.4	8.19721	85	14 45.2
5.0	4 26 25.62	26 41.06	26 46 3.5	0 44 11.8	8.19806	104	14 46.9
5.5	4 53 6.68	27 4.86	27 30 15.3	+0 24 54.8	8.19910	+125	14 49.0
6.0	5 20 11.54	27 20.84	+27 55 10.1	+0 4 52.6	8.20035	146	14 51.6
6.5	5 47 32.38	27 28.26	28 0 2.7	−0 15 35.5	8.20181	168	14 54.6
7.0	6 15 0.64	27 27.08	27 44 27.2	0 36 9.7	8.20349	189	14 58.1
7.5	6 42 27.72	27 18.00	27 8 17.5	0 56 29.8	8.20538	213	15 2.0
8.0	7 9 45.72	27 2.39	26 11 47.7	1 16 17.5	8.20751	235	15 6.4
8.5	7 36 48.11	26 42.11	24 55 30.2	1 35 16.9	8.20986	257	15 11.3
9.0	8 3 30.22	26 19.18	23 20 13.3	1 53 14.7	8.21243	277	15 16.7
9.5	8 29 49.40	25 55.75	21 26 58.6	2 10 0.4	8.21520	296	15 22.6
10.0	8 55 45.15	25 33.85	19 16 58.2	2 25 25.8	8.21816	313	15 28.9
10.5	9 21 19.00	25 15.39	16 51 32.4	−2 39 23.0	8.22129	+326	15 35.6
11.0	9 46 34.39	25 1.95	+14 12 9.4	2 51 45.2	8.22455	334	15 42.7
11.5	10 11 36.34	24 54.89	11 20 24.2	3 2 24.3	8.22789	337	15 50.0
12.0	10 36 31.23	24 55.30	8 17 59.9	3 11 10.4	8.23126	335	15 57.4
12.5	11 1 26.53	25 4.15	5 6 49.5	3 17 51.9	8.23461	326	16 4.8
13.0	11 26 30.68	25 22.04	+1 48 57.6	3 22 13.6	8.23787	308	16 12.1
13.5	11 51 52.72	25 49.40	−1 33 16.0	3 23 58.1	8.24095	283	16 19.0
14.0	12 17 42.12	26 26.35	4 57 14.1	3 22 45.8	8.24378	250	16 25.4
14.5	12 44 8.47	27 12.45	8 19 59.9	3 18 16.2	8.24628	210	16 31.1
15.0	13 11 20.92	28 6.76	11 38 16.1	3 10 8.9	8.24838	163	16 35.9
15.5	13 39 27.68	29 7.40	14 48 25.0	−2 58 8.3	8.25001	+112	16 39.6
16.0	14 8 35.08	30 11.43	−17 46 33.3	2 42 4.8	8.25113	+ 54	16 42.2
16.5	14 38 46.51	31 14.76	20 28 38.1	2 21 59.9	8.25167	− 7	16 43.4
17.0	15 10 1.27	32 12.32	22 50 38.0	1 58 9.8	8.25160	67	16 43.3
17.5	15 42 13.59	32 58.32	24 48 47.8	1 31 8.7	8.25093	125	16 41.7
18.0	16 15 11.91	33 27.39	26 19 56.5	1 1 48.5	8.24968	180	16 38.9
18.5	16 48 39.30	33 35.40	27 21 45.0	0 31 14.8	8.24788	230	16 34.7
19.0	17 22 14.70	33 20.60	27 52 59.8	−0 0 40.4	8.24558	272	16 29.5
19.5	17 55 35.30	32 43.89	27 53 40.2	+0 28 44.4	8.24286	307	16 23.3
20.0	18 28 19.19	31 48.77	27 24 55.8	0 56 0.1	8.23979	334	16 16.4
20.5	19 0 7.96		26 28 55.7		8.23645		16 8.9

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1h Länge	Dekl.	Bew. in 1h Länge
	h m	h m s	s	s	° ′ ″	″
Nov. 1 *O*	10 52.7	1 34 3.00	−62.71	114.35	+14 9 23.5	+ 757.4
U	23 13.8	1 57 11.74	−63.46	117.07	+16 36 30.5	+ 712.2
2 *O*	11 35.5	2 20 55.76	−64.33	120.19	+18 53 46.6	+ 658.8
U	23 57.9	2 45 19.23	+65.27	123.77	+20 59 31.3	+ 596.9
3 *O*	12 20.9	3 10 24.87	+66.25	127.36	+22 52 1.2	+ 526.3
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4 *U*	0 44.7	3 36 13.62	+67.22	130.93	+24 29 32.0	+ 447.0
O	13 9.2	4 2 44.34	+68.14	134.32	+25 50 21.8	+ 359.5
5 *U*	1 34.3	4 29 53.68	+68.96	137.32	+26 52 54.8	+ 264.3
O	14 0.0	4 57 35.93	+69.63	139.74	+27 35 46.3	+ 162.8
6 *U*	2 26.0	5 25 43.33	+70.10	141.45	+27 57 47.8	+ 56.3
O	14 52.4	5 54 6.68	+70.38	142.35	+27 58 11.3	− 53.3
7 *U*	3 18.8	6 22 35.95	+70.43	142.41	+27 36 31.4	− 164.0
O	15 45.2	6 51 1.39	+70.29	141.68	+26 52 47.3	− 273.6
8 *U*	4 11.4	7 19 14.21	+69.97	140.30	+25 47 22.5	− 380.5
O	16 37.2	7 47 7.58	+69.53	138.44	+24 21 0.9	− 482.8
9 *U*	5 2.7	8 14 36.93	+68.99	136.32	+22 34 44.4	− 579.4
O	17 27.7	8 41 40.31	+68.43	134.14	+20 29 48.8	− 669.3
10 *U*	5 52.3	9 8 18.20	+67.90	132.11	+18 7 39.5	− 751.5
O	18 16.5	9 34 33.45	+67.45	130.41	+15 29 50.6	− 825.7
11 *U*	6 40.4	10 0 30.96	+67.12	129.20	+12 38 3.5	− 891.1
O	19 4.2	10 26 17.39	+66.94	128.61	+ 9 34 7.3	− 947.0
12 *U*	7 27.9	10 52 0.75	+66.94	128.75	+ 6 19 59.6	− 992.8
O	19 51.7	11 17 50.26	+67.16	129.69	+ 2 57 49.9	−1027.2
13 *U*	8 15.7	11 43 56.04	+67.62	131.51	− 0 29 57.0	−1048.6
O	20 40.2	12 10 28.85	+68.30	134.25	− 4 0 37.2	−1055.7
14 *U*	9 5.3	12 37 39.73	+69.22	137.90	− 7 31 5.6	−1046.2
O	21 31.3	13 5 39.57	+70.35	142.42	−10 57 51.7	−1018.2
15 *U*	9 58.2	13 34 38.24	+71.68	147.73	−14 16 59.4	− 969.4
O	22 26.3	14 4 43.97	+73.12	153.58	−17 24 11.2	− 898.5
16 *U*	10 55.5	14 36 1.65	+74.58	159.65	−20 14 53.1	− 804.1
O	23 26.0	15 8 31.26	+75.99	165.49	−22 44 26.0	− 687.0
17 *U*	11 57.5	15 42 6.77	−77.18	170.32	−24 48 25.9	− 549.4
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18 *O*	0 29.9	16 16 34.83	−78.05	173.97	−26 23 6.7	− 394.4
U	13 2.8	16 51 35.23	−78.46	175.69	−27 25 42.5	− 229.3
19 *O*	1 35.9	17 26 42.55	−78.35	175.16	−27 54 50.4	− 61.1
U	14 8.6	18 1 29.43	−77.71	172.37	−27 50 38.6	+ 102.6
20 *O*	2 40.6	18 35 30.24	−76.61	167.61	−27 14 42.8	+ 255.2
U	15 11.4	19 8 24.34	−75.14	161.41	−26 9 48.5	+ 391.7

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Nov. 20.0	18 28 19.19	31 48.77	−27 24 55.8	+0 56 0.1	8.23979	−334	16 16.4
20.5	19 0 7.96	30 40.35	26 28 55.7	1 20 24.2	8.23645	353	16 8.9
21.0	19 30 48.31	29 24.23	25 8 31.5	1 41 34.7	8.23292	363	16 1.0
21.5	20 0 12.54	28 5.74	23 26 56.8	1 59 24.6	8.22929	365	15 53.0
22.0	20 28 18.28	26 49.25	21 27 32.2	2 14 1.4	8.22564	360	15 45.1
22.5	20 55 7.53	25 37.92	19 13 30.8	2 25 39.9	8.22204	349	15 37.3
23.0	21 20 45.45	24 33.86	16 47 50.9	2 34 39.5	8.21855	333	15 29.8
23.5	21 45 19.31	23 38.30	14 13 11.4	2 41 19.9	8.21522	313	15 22.7
24.0	22 8 57.61	22 51.83	11 31 51.5	2 45 59.5	8.21209	288	15 16.0
24.5	22 31 49.44	22 14.59	8 45 52.0	+2 48 54.4	8.20921	−261	15 10.0
25.0	22 54 4.03	21 46.46	−5 56 57.6	2 50 17.7	8.20660	233	15 4.5
25.5	23 15 50.49	21 27.17	3 6 39.9	2 50 19.4	8.20427	204	14 59.7
26.0	23 37 17.66	21 16.41	−0 16 20.5	2 49 5.7	8.20223	174	14 55.5
26.5	23 58 34.07	21 13.79	+2 32 45.2	2 46 40.9	8.20049	144	14 51.9
27.0	0 19 47.86	21 18.91	5 19 26.1	2 43 5.7	8.19905	115	14 48.9
27.5	0 41 6.77	21 31.36	8 2 31.8	2 38 19.8	8.19790	86	14 46.6
28.0	1 2 38.13	21 50.65	10 40 51.6	2 32 20.3	8.19704	60	14 44.8
28.5	1 24 28.78	22 16.22	13 13 11.9	2 25 2.8	8.19644	34	14 43.6
29.0	1 46 45.00	22 47.29	15 38 14.7	2 16 23.0	8.19610	−10	14 42.9
29.5	2 9 32.29	23 22.94	17 54 37.7	+2 6 15.6	8.19600	+11	14 42.7
30.0	2 32 55.23	24 1.89	+20 0 53.3	1 54 35.8	8.19611	32	14 42.9
30.5	2 56 57.12	24 42.71	21 55 29.1	1 41 21.3	8.19643	51	14 43.6
Dez. 1.0	3 21 39.83	25 23.52	23 36 50.4	1 26 31.3	8.19694	67	14 44.6
1.5	3 47 3.35	26 2.31	25 3 21.7	1 10 8.9	8.19761	84	14 46.0
2.0	4 13 5.66	26 36.86	26 13 30.6	0 52 21.9	8.19845	98	14 47.7
2.5	4 39 42.52	27 5.07	27 5 52.5	0 33 22.0	8.19943	112	14 49.7
3.0	5 6 47.59	27 25.22	27 39 14.5	+0 13 25.6	8.20055	126	14 52.0
3.5	5 34 12.81	27 36.02	27 52 40.1	−0 7 6.1	8.20181	137	14 54.6
4.0	6 1 48.83	27 37.07	27 45 34.0	0 27 50.4	8.20318	150	14 57.4
4.5	6 29 25.90	27 28.75	27 17 43.6	−0 48 23.7	8.20468	+162	15 0.5
5.0	6 56 54.65	27 12.24	+26 29 19.9	1 8 23.1	8.20630	174	15 3.9
5.5	7 24 6.89	26 49.36	25 20 56.8	1 27 29.1	8.20804	188	15 7.5
6.0	7 50 56.25	26 22.27	23 53 27.7	1 45 26.0	8.20992	199	15 11.5
6.5	8 17 18.52	25 53.37	22 8 1.7	2 2 1.7	8.21191	213	15 15.7
7.0	8 43 11.89	25 24.91	20 6 0.0	2 17 7.9	8.21404	224	15 20.1
7.5	9 8 36.80	24 58.93	17 48 52.1	2 30 39.3	8.21628	236	15 24.9
8.0	9 33 35.73	24 37.29	15 18 12.8	2 42 32.3	8.21864	247	15 30.0
8.5	9 58 13.02	24 21.42	12 35 40.5	2 52 44.4	8.22111	256	15 35.3
9.0	10 22 34.44	24 12.60	9 42 56.1	3 1 12.3	8.22367	263	15 40.8
9.5	10 46 47.04		6 41 43.8		8.22630		15 46.5

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
	h m	h m s	s	s	° ′ ″	″
Nov. 20 *O*	2 40.6	18 35 30.24	−76.61	167.61	−27 14 42.8	+255.2
U	15 11.4	19 8 24.34	−75.14	161.41	−26 9 48.5	+391.7
21 *O*	3 40.9	19 39 57.98	−73.45	154.34	−24 39 27.1	+509.2
U	16 9.0	20 10 4.36	−71.63	146.98	−22 47 30.3	+607.5
22 *O*	4 35.6	20 38 43.07	−69.83	139.80	−20 37 47.7	+687.0
U	17 0.8	21 5 58.37	−68.09	133.11	−18 13 54.7	+749.5
23 *O*	5 24.8	21 31 57.69	−66.52	127.15	−15 39 3.2	+797.0
U	17 47.6	21 56 50.43	−65.12	121.99	−12 56 0.3	+831.8
24 *O*	6 9.5	22 20 46.88	−63.95	117.73	−10 7 8.3	+855.4
U	18 30.7	22 43 57.61	−62.99	114.35	−7 14 28.9	+869.8
25 *O*	6 51.2	23 6 33.08	−62.25	111.82	−4 19 46.5	+876.0
U	19 11.4	23 28 43.44	−61.76	110.12	−1 24 32.4	+875.2
26 *O*	7 31.3	23 50 38.38	−61.47	109.21	+1 29 51.5	+867.8
U	19 51.0	0 12 27.23	−61.41	109.06	+4 22 8.9	+854.1
27 *O*	8 10.9	0 34 18.78	−61.54	109.63	+7 11 5.5	+834.3
U	20 30.9	0 56 21.40	−61.87	110.88	+9 55 26.5	+808.2
28 *O*	8 51.2	1 18 42.95	−62.37	112.74	+12 33 54.7	+775.3
U	21 12.0	1 41 30.64	−63.03	115.19	+15 5 7.5	+735.5
29 *O*	9 33.3	2 4 50.97	−63.82	118.15	+17 27 37.0	+688.0
U	21 55.3	2 28 49.43	−64.72	121.52	+19 39 48.3	+632.3
30 *O*	10 17.9	2 53 30.20	−65.69	125.17	+21 40 0.4	+568.0
U	22 41.3	3 18 55.75	−66.69	128.95	+23 26 27.3	+494.7
Dez. 1 *O*	11 5.4	3 45 6.50	−67.66	132.67	+24 57 21.5	+412.6
U	23 30.3	4 12 0.49	−68.55	136.13	+26 10 57.7	+321.7
2 *O*	11 55.8	4 39 33.11	+69.31	139.20	+27 5 37.6	+223.2
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3 *U*	0 21.8	5 7 37.20	+69.91	141.45	+27 39 56.9	+118.5
O	12 48.2	5 36 3.48	+70.28	142.84	+27 52 50.5	+ 9.3
4 *U*	1 14.8	6 4 41.09	+70.42	143.30	+27 43 38.5	−102.1
O	13 41.4	6 33 18.69	+70.33	142.82	+27 12 9.0	−213.2
5 *U*	2 7.8	7 1 45.77	+70.03	141.49	+26 18 38.2	−321.9
O	14 33.9	7 29 52.92	+69.56	139.51	+25 3 49.5	−426.0
6 *U*	2 59.5	7 57 33.36	+68.96	137.07	+23 28 48.4	−523.6
O	15 24.6	8 24 42.94	+68.30	134.39	+21 34 58.5	−613.8
7 *U*	3 49.2	8 51 20.34	+67.64	131.73	+19 23 54.7	−695.8
O	16 13.3	9 17 26.86	+67.01	129.29	+16 57 20.0	−768.9
8 *U*	4 36.9	9 43 6.13	+66.49	127.24	+14 17 1.4	−833.1
O	17 0.2	10 8 23.81	+66.10	125.73	+11 24 48.3	−887.9
9 *U*	5 23.2	10 33 27.08	+65.88	124.89	+8 22 32.7	−933.4
O	17 46.1	10 58 24.48	+65.86	124.80	+5 12 8.7	−969.2

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Dez. 9.0	10 22 34.44	24 12.60	+ 9 42 56.1	−3 1 12.3	8.22367	+263	15 40.8
9.5	10 46 47.04	24 11.79	6 41 43.8	3 7 51.4	8.22630	268	15 46.5
10.0	11 10 58.83	24 19.76	3 33 52.4	3 12 35.2	8.22898	269	15 52.4
10.5	11 35 18.59	24 37.17	+ 0 21 17.2	3 15 14.4	8.23167	265	15 58.3
11.0	11 59 55.76	25 4.36	− 2 53 57.2	3 15 36.5	8.23432	257	16 4.1
11.5	12 25 0.12	25 41.47	6 9 33.7	3 13 26.7	8.23689	243	16 9.9
12.0	12 50 41.59	26 28.23	9 23 0.4	3 8 27.2	8.23932	224	16 15.3
12.5	13 17 9.82	27 23.83	12 31 27.6	3 0 19.0	8.24156	198	16 20.4
13.0	13 44 33.65	28 26.64	15 31 46.6	2 48 44.6	8.24354	166	16 24.8
13.5	14 13 0.29	29 34.06	18 20 31.2	−2 33 29.5	8.24520	+127	16 28.6
14.0	14 42 34.35	30 42.26	−20 54 0.7	2 14 28.5	8.24647	85	16 31.5
14.5	15 13 16.61	31 46.28	23 8 29.2	1 51 47.4	8.24732	+ 37	16 33.4
15.0	15 45 2.89	32 40.33	25 0 16.6	1 25 49.3	8.24769	− 13	16 34.3
15.5	16 17 43.22	33 18.60	26 26 5.9	0 57 15.6	8.24756	65	16 34.0
16.0	16 51 1.82	33 36.29	27 23 21.5	−0 27 6.0	8.24691	116	16 32.5
16.5	17 24 38.11	33 30.70	27 50 27.5	+0 3 29.4	8.24575	164	16 29.9
17.0	17 58 8.81	33 1.91	27 46 58.1	0 33 17.5	8.24411	210	16 26.1
17.5	18 31 10.72	32 12.80	27 13 40.6	1 1 10.7	8.24201	250	16 21.4
18.0	19 3 23.52	31 8.26	26 12 29.9	1 26 18.9	8.23951	284	16 15.7
18.5	19 34 31.78	29 54.04	24 46 11.0	+1 48 9.1	8.23667	−311	16 9.4
19.0	20 4 25.82	28 35.83	−22 58 1.9	2 6 29.1	8.23356	331	16 2.5
19.5	20 33 1.65	27 18.43	20 51 32.8	2 21 20.1	8.23025	342	15 55.2
20.0	21 0 20.08	26 5.45	18 30 12.7	2 32 55.7	8.22683	347	15 47.7
20.5	21 26 25.53	24 59.41	15 57 17.0	2 41 35.2	8.22336	345	15 40.1
21.0	21 51 24.94	24 1.76	13 15 41.8	2 47 39.9	8.21991	335	15 32.7
21.5	22 15 26.70	23 13.25	10 28 1.9	2 51 31.0	8.21656	320	15 25.5
22.0	22 38 39.95	22 34.18	7 36 30.9	2 53 27.5	8.21336	299	15 18.7
22.5	23 1 14.13	22 4.48	4 43 3.4	2 53 45.2	8.21037	275	15 12.4
23.0	23 23 18.61	21 43.90	− 1 49 18.2	2 52 36.7	8.20762	248	15 6.6
23.5	23 45 2.51	21 32.14	+ 1 3 18.5	+2 50 12.0	8.20514	−217	15 1.5
24.0	0 6 34.65	21 28.83	+ 3 53 30.5	2 46 36.0	8.20297	185	14 57.0
24.5	0 28 3.48	21 33.56	6 40 6.5	2 41 52.4	8.20112	152	14 53.2
25.0	0 49 37.04	21 45.92	9 21 58.9	2 36 1.2	8.19960	118	14 50.1
25.5	1 11 22.96	22 5.41	11 58 0.1	2 29 1.1	8.19842	84	14 47.7
26.0	1 33 28.37	22 31.40	14 27 1.2	2 20 47.8	8.19758	51	14 45.9
26.5	1 55 59.77	23 3.13	16 47 49.0	2 11 17.1	8.19707	− 19	14 44.9
27.0	2 19 2.90	23 39.61	18 59 6.1	2 0 22.8	8.19688	+ 10	14 44.5
27.5	2 42 42.51	24 19.55	20 59 28.9	1 48 0.4	8.19698	39	14 44.7
28.0	3 7 2.06	25 1.30	22 47 29.3	1 34 5.7	8.19737	64	14 45.5
28.5	3 32 3.36		24 21 35.0		8.19801		14 46.8

Im Meridian von Berlin.

Datum und Kulmination	Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
	h m	h m s	s	s	° ′ ″	″
Dez. 9 *U*	5 23.2	10 33 27.08	+65.88	124.89	+ 8 22 32.7	− 933.4
O	17 46.1	10 58 24.48	+65.86	124.80	+ 5 12 8.7	− 969.2
10 *U*	6 9.1	11 23 25.53	+66.06	125.55	+ 1 55 36.9	− 994.5
O	18 32.3	11 48 40.65	+66.49	127.20	− 1 24 54.2	−1008.8
11 *U*	6 55.9	12 14 20.84	+67.17	129.79	− 4 47 3.7	−1010.7
O	19 20.2	12 40 37.44	+68.09	133.32	− 8 8 15.1	− 998.8
12 *U*	7 45.2	13 7 41.85	+69.22	137.78	−11 25 31.7	− 971.2
O	20 11.2	13 35 44.78	+70.55	143.10	−14 35 33.9	− 926.0
13 *U*	8 38.3	14 4 55.63	+72.04	149.09	−17 34 38.2	− 861.1
O	21 6.7	14 35 21.10	+73.61	155.50	−20 18 40.2	− 775.3
14 *U*	9 36.4	15 7 3.78	+75.14	161.88	−22 43 22.0	− 667.5
O	22 7.3	15 40 0.51	+76.51	167.71	−24 44 24.8	− 538.9
15 *U*	10 39.2	16 14 1.03	+77.59	172.35	−26 17 51.4	− 391.9
O	23 11.9	16 48 47.60	+78.25	175.21	−27 20 28.0	− 231.5
16 *U*	11 45.0	17 23 56.13	+78.41	175.85	−27 50 12.6	− 64.4
—	—	—	—	—	—	—
17 *O*	0 18.0	17 58 58.80	−78.02	174.23	−27 46 29.7	+ 101.7
U	12 50.4	18 33 27.88	−77.12	170.40	−27 10 16.6	+ 259.4
18 *O*	1 21.9	19 6 59.51	−75.80	164.81	−26 3 53.4	+ 402.4
U	13 52.1	19 39 16.19	−74.18	158.06	−24 30 41.6	+ 526.9
19 *O*	2 20.9	20 10 7.84	−72.40	150.77	−22 34 36.5	+ 631.0
U	14 48.3	20 39 31.39	−70.60	143.46	−20 19 43.4	+ 714.9
20 *O*	3 14.2	21 7 29.22	−68.84	136.53	−17 49 58.7	+ 779.8
U	15 38.8	21 34 7.79	−67.22	130.26	−15 8 58.3	+ 827.8
21 *O*	4 2.2	21 59 35.98	−65.77	124.79	−12 19 51.1	+ 861.3
U	16 24.7	22 24 3.98	−64.56	120.20	− 9 25 19.4	+ 882.2
22 *O*	4 46.3	22 47 42.52	−63.56	116.52	− 6 27 40.8	+ 892.7
U	17 7.2	23 10 42.44	−62.80	113.73	− 3 28 51.5	+ 894.2
23 *O*	5 27.7	23 33 14.16	−62.26	111.79	− 0 30 30.4	+ 888.1
U	17 47.9	23 55 27.90	−61.95	110.68	+ 2 25 56.2	+ 875.3
24 *O*	6 8.0	0 17 33.31	−61.86	110.36	+ 5 19 11.0	+ 856.0
U	18 28.1	0 39 39.65	−61.98	110.80	+ 8 8 1.3	+ 831.1
25 *O*	6 48.3	1 1 55.69	−62.30	111.94	+10 51 15.4	+ 800.1
U	19 8.9	1 24 29.68	−62.80	113.75	+13 27 41.1	+ 762.9
26 *O*	7 29.8	1 47 29.27	−63.46	116.17	+15 56 1.9	+ 719.2
U	19 51.3	2 11 1.32	−64.26	119.13	+18 14 55.4	+ 668.3
27 *O*	8 13.5	2 35 11.71	−65.16	122.53	+20 22 52.4	+ 609.7
U	20 36.3	3 0 5.00	−66.14	126.25	+22 18 17.0	+ 542.7
28 *O*	9 0.0	3 25 43.98	−67.14	130.11	+23 59 26.7	+ 467.1
U	21 24.3	3 52 9.27	−68.11	133.94	+25 24 36.1	+ 382.6

Mittlerer Mittag und Mitternacht.

Datum	AR.	Diff.	Dekl.	Diff.	Log. sin. A. H. Par.	Diff.	Halbm.
	h m s	m s	° ′ ″	° ′ ″			′ ″
Dez. 28.0	3 7 2.06	25 1.30	+22 47 29.3	+1 34 5.7	8.19737	+64	14 45.5
28.5	3 32 3.36	25 42.94	24 21 35.0	1 18 37.7	8.19801	88	14 46.8
29.0	3 57 46.30	26 22.27	25 40 12.7	1 1 38.3	8.19889	109	14 48.6
29.5	4 24 8.57	26 57.00	26 41 51.0	0 43 15.0	8.19998	128	14 50.8
30.0	4 51 5.57	27 24.89	27 25 6.0	0 23 39.7	8.20126	141	14 53.5
30.5	5 18 30.46	27 44.07	27 48 45.7	+0 3 10.0	8.20267	155	14 56.4
31.0	5 46 14.53	27 53.36	27 51 55.7	−0 17 52.2	8.20422	166	14 59.6
31.5	6 14 7.89	27 52.36	27 34 3.5	0 39 1.6	8.20588	172	15 3.0
32.0	6 42 0.25		26 55 1.9		8.20760		15 6.6

Phasen des Mondes.

		h m				h m	
Jan.	4	2 2.7	Erstes Viertel	Juli	7	2 53.4	Vollmond
	11	18 2.6	Vollmond		14	20 25.5	Letztes Viertel
	18	13 23.4	Letztes Viertel		22	15 32.0	Neumond
	25	19 27.7	Neumond		29	12 44.6	Erstes Viertel
Febr.	2	23 26.2	Erstes Viertel	Aug.	5	13 34.3	Vollmond
	10	6 28.3	Vollmond		13	13 49.6	Letztes Viertel
	16	22 16.6	Letztes Viertel		21	1 20.1	Neumond
	24	12 55.7	Neumond		27	17 46.1	Erstes Viertel
März	4	17 56.6	Erstes Viertel	Sept.	4	2 54.8	Vollmond
	11	17 12.1	Vollmond		12	6 41.9	Letztes Viertel
	18	8 33.0	Letztes Viertel		19	10 26.9	Neumond
	26	7 2.7	Neumond		26	0 56.6	Erstes Viertel
April	3	8 35.1	Erstes Viertel	Okt.	3	18 52.5	Vollmond
	10	2 21.8	Vollmond		11	22 26.7	Letztes Viertel
	16	20 45.8	Letztes Viertel		18	19 27.1	Neumond
	25	0 15.5	Neumond		25	11 37.6	Erstes Viertel
Mai	2	19 22.6	Erstes Viertel	Nov.	2	12 42.2	Vollmond
	9	10 24.4	Vollmond		10	12 30.4	Letztes Viertel
	16	11 5.7	Letztes Viertel		17	4 55.5	Neumond
	24	15 28.4	Neumond		24	2 32.3	Erstes Viertel
Juni	1	2 56.6	Erstes Viertel	Dez.	2	7 14.2	Vollmond
	7	18 11.9	Vollmond		10	0 25.3	Letztes Viertel
	15	3 13.6	Letztes Viertel		16	15 28.7	Neumond
	23	4 26.8	Neumond		23	21 18.4	Erstes Viertel
	30	8 18.1	Erstes Viertel				

Im Meridian von Berlin.

Datum und Kulmination		Mittlere Zeit	AR.	Halbe Durchg.-D. Sternzeit	Bew. in 1^h Länge	Dekl.	Bew. in 1^h Länge
		h m	h m s	s	s	° ′ ″	″
Dez. 28	O	8 59.9	3 25 43.98	—67.14	130.11	+23 59 26.7	+467.1
	U	21 24.3	3 52 9.27	—68.11	133.94	+25 24 36.1	+382.6
29	O	9 49.4	4 19 18.94	—69.00	137.50	+26 32 0.2	+289.5
	U	22 15.2	4 47 8.38	—69.76	140.54	+27 20 0.1	+188.7
30	O	10 41.5	5 15 30.15	—70.32	142.87	+27 47 10.0	+ 81.5
	U	23 8.2	5 44 14.50	—70.67	144.31	+27 52 24.1	— 30.3
31	O	11 35.1	6 13 10.05	—70.77	144.78	+27 35 1.9	—144.3
—		—	—	—	—	—	—

Mond im Apogäum		h	Mond im Perigäum		h
Jan.	3	9	Jan.	15	7
Jan.	31	6	Febr.	12	2
Febr.	27	22	März	12	11
März	27	4	April	9	23
April	23	6	Mai	8	9
Mai	20	17	Juni	5	12
Juni	17	10	Juli	2	21
Juli	15	4	Juli	28	1
Aug.	11	23	Aug.	23	19
Sept.	8	17	Sept.	20	19
Okt.	6	6	Okt.	19	5
Nov.	2	9	Nov.	16	17
Nov.	29	12	Dez.	15	3
Dez.	27	2			

Mittlere Mitternacht Berlin.

Datum	$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
Jan. 3	− 4.81	+1.77		− 12.0	− 9.4		8.19979	+ 86	
4	− 3.04	+1.58	−0.19	− 21.4	− 8.5	+ 0.9	8.20065	+226	+140
5	− 1.46	+1.29	−0.29	− 29.9	− 8.3	+ 0.2	8.20291	+353	+127
6	− 0.17	+0.89	−0.40	− 38.2	− 7.8	+ 0.5	8.20644	+458	+105
7	+ 0.72	+0.36	−0.53	− 46.0	− 6.5	+ 1.3	8.21102	+533	+ 75
8	+ 1.08	−0.25	−0.61	− 52.5	− 3.1	+ 3.4	8.21635	+567	+ 34
9	+ 0.83	−0.78	−0.53	− 55.6	+ 3.2	+ 6.3	8.22202	+558	− 9
10	+ 0.05	−1.04	−0.26	− 52.4	+11.5	+ 8.3	8.22760	+503	− 55
11	− 0.99	−1.03	+0.01	− 40.9	+20.6	+ 9.1	8.23263	+411	− 92
12	− 2.02	−0.82	+0.21	− 20.3	+28.3	+ 7.7	8.23674	+292	−119
13	− 2.84	−0.56	+0.26	+ 8.0	+33.3	+ 5.0	8.23966	+162	−130
14	− 3.40	−0.38	+0.18	+ 41.3	+35.1	+ 1.8	8.24128	+ 36	−126
15	− 3.78	−0.36	+0.02	+ 76.4	+33.7	− 1.4	8.24164	− 76	−112
16	− 4.14	−0.50	−0.14	+110.1	+30.1	− 3.6	8.24088	−163	− 87
17	− 4.64	−0.77	−0.27	+140.2	+24.2	− 5.9	8.23925	−227	− 64
18	− 5.41	−1.17	−0.40	+164.4	+16.3	− 7.9	8.23698	−272	− 45
19	− 6.58			+180.7			8.23426		
Febr. 2	− 0.12	+1.26		− 36.8	− 7.0		8.20239	+368	
3	+ 1.14	+0.87	−0.39	− 43.8	− 6.5	+ 0.5	8.20607	+492	+124
4	+ 2.01	+0.31	−0.56	− 50.3	− 4.8	+ 1.7	8.21099	+593	+101
5	+ 2.32	−0.30	−0.61	− 55.1	− 0.8	+ 4.0	8.21692	+657	+ 64
6	+ 2.02	−0.81	−0.51	− 55.9	+ 6.0	+ 6.8	8.22349	+674	+ 17
7	+ 1.21	−1.10	−0.29	− 49.9	+15.2	+ 9.2	8.23023	+635	− 39
8	+ 0.11	−1.14	−0.04	− 34.7	+25.0	+ 9.8	8.23658	+539	− 96
9	− 1.03	−1.02	+0.12	− 9.7	+33.4	+ 8.4	8.24197	+393	−146
10	− 2.05	−0.89	+0.13	+ 23.7	+38.5	+ 5.1	8.24590	+211	−182
11	− 2.94	−0.85	+0.04	+ 62.2	+39.6	+ 1.1	8.24801	+ 19	−192
12	− 3.79	−0.94	−0.09	+101.8	+36.3	− 3.3	8.24820	−161	−180
13	− 4.73	−1.17	−0.23	+138.1	+29.5	− 6.8	8.24659	−309	−148
14	− 5.90	−1.48	−0.31	+167.6	+19.7	− 9.8	8.24350	−414	−105
15	− 7.38	−1.79	−0.31	+187.3	+ 8.2	−11.5	8.23936	−476	− 62
16	− 9.17	−1.95	−0.16	+195.5	− 3.8	−12.0	8.23460	−497	− 21
17	−11.12	−1.77	+0.18	+191.7	−15.1	−11.3	8.22963	−490	+ 7
18	−12.89			+176.6			8.22473		
März 3	+ 1.88	+0.80		− 48.8	− 4.5		8.20516	+476	
4	+ 2.68	+0.33	−0.47	− 53.3	− 2.5	+ 2.0	8.20992	+586	+110
5	+ 3.01	−0.15	−0.48	− 55.8	+ 1.8	+ 4.3	8.21578	+673	+ 87
6	+ 2.86	−0.57	−0.42	− 54.0	+ 8.6	+ 6.8	8.22251	+722	+ 49
7	+ 2.29	−0.84	−0.27	− 45.4	+17.4	+ 8.8	8.22973	+719	− 3
8	+ 1.45	−0.95	−0.11	− 28.0	+26.8	+ 9.4	8.23692	+652	− 67
9	+ 0.50	−1.01	−0.06	− 1.2	+35.3	+ 8.5	8.24344	+521	−131
10	− 0.51	−1.08	−0.07	+ 34.1	+40.8	+ 5.5	8.24865	+334	−187
11	− 1.59		−0.17	+ 74.9		+ 1.0	8.25199		−225

Mittlere Mitternacht Berlin.

Datum	$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
	s	s	s	"	"	"			
März 11	− 1.59	−1.25	−0.17	+ 74.9	+41.8	+ 1.0	8.25199	+109	−225
12	− 2.84	−1.56	−0.31	+116.7	+37.6	− 4.2	8.25308	−124	−233
13	− 4.40	−1.97	−0.41	+154.3	+28.5	− 9.1	8.25184	−333	−209
14	− 6.37	−2.36	−0.39	+182.8	+15.5	−13.0	8.24851	−495	−162
15	− 8.73	−2.55	−0.19	+198.3	+ 0.6	−14.9	8.24356	−599	−104
16	−11.28	−2.35	+0.20	+198.9	−13.7	−14.3	8.23757	−646	− 47
17	−13.63	−1.66	+0.69	+185.2	−24.8	−11.1	8.23111	−641	+ 5
18	−15.29	−0.64	+1.02	+160.4	−30.8	− 6.0	8.22470	−598	+ 43
19	−15.93			+129.6			8.21872		
April 2	+ 2.79	+0.02		− 50.4	+ 4.0		8.21476	+617	
3	+ 2.81	−0.23	−0.25	− 46.4	+10.8	+ 6.8	8.22093	+682	+ 65
4	+ 2.58	−0.40	−0.17	− 35.6	+19.3	+ 8.5	8.22775	+706	+ 24
5	+ 2.18	−0.56	−0.16	− 16.3	+27.4	+ 8.1	8.23481	+677	− 29
6	+ 1.62	−0.74	−0.18	+ 11.1	+34.7	+ 7.3	8.24158	+587	− 90
7	+ 0.88	−1.00	−0.26	+ 45.8	+39.6	+ 4.9	8.24745	+433	−154
8	− 0.12	−1.41	−0.41	+ 85.4	+40.6	+ 1.0	8.25178	+224	−209
9	− 1.53	−1.97	−0.56	+126.0	+36.1	− 4.5	8.25402	− 14	−238
10	− 3.50	−2.59	−0.62	+162.1	+25.9	−10.2	8.25388	−252	−238
11	− 6.09	−3.10	−0.51	+188.0	+10.6	−15.3	8.25136	−458	−206
12	− 9.19	−3.17	−0.07	+198.6	− 6.6	−17.2	8.24678	−609	−151
13	−12.36	−2.60	+0.57	+192.0	−21.8	−15.2	8.24069	−696	− 87
14	−14.96	−1.47	+1.13	+170.2	−31.7	− 9.9	8.23373	−720	− 24
15	−16.43	−0.15	+1.32	+138.5	−35.0	− 3.3	8.22653	−690	+ 30
16	−16.58	+0.89	+1.04	+103.5	−33.2	+ 1.8	8.21963	−620	+ 70
17	−15.69	+1.42	+0.53	+ 70.3	−28.9	+ 4.3	8.21343	−526	+ 94
18	−14.27			+ 41.4			8.20817		
Mai 2	+ 2.00	−0.01		− 17.9	+21.9		8.22645	+604	
3	+ 1.99	−0.15	−0.14	+ 4.0	+27.8	+ 5.9	8.23249	+597	− 7
4	+ 1.84	−0.39	−0.24	+ 31.8	+32.9	+ 5.1	8.23846	+543	− 54
5	+ 1.45	−0.78	−0.39	+ 64.7	+36.2	+ 3.3	8.24389	+436	−107
6	+ 0.67	−1.36	−0.58	+100.9	+36.1	− 0.1	8.24825	+276	−160
7	− 0.69	−2.10	−0.74	+137.0	+31.0	− 5.1	8.25101	+ 76	−200
8	− 2.79	−2.90	−0.80	+168.0	+20.0	−11.0	8.25177	−143	−219
9	− 5.69	−3.45	−0.55	+188.0	+ 4.2	−15.8	8.25034	−354	−211
10	− 9.14	−3.38	+0.07	+192.2	−13.3	−17.5	8.24680	−528	−174
11	−12.52	−2.54	+0.84	+178.9	−27.7	−14.4	8.24152	−647	−119
12	−15.06	−1.20	+1.34	+151.2	−35.7	− 8.0	8.23505	−704	− 57
13	−16.26	+0.12	+1.32	+115.5	−36.9	− 1.2	8.22801	−702	+ 2
14	−16.14	+1.07	+0.95	+ 78.6	−33.1	+ 3.8	8.22099	−651	+ 51
15	−15.07	+1.63	+0.56	+ 45.5	−27.2	+ 5.9	8.21448	−562	+ 89
16	−13.44	+1.88	+0.25	+ 18.3	−21.3	+ 5.9	8.20886	−450	+112
17	−11.56			− 3.0			8.20436		

Mittlere Mitternacht Berlin.

Datum		$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			log sin p_k		
Mai	31	+ 1.12	+0.07		+ 32.7	+28.5		8.23188	+441	
Juni	1	+ 1.19	−0.20	−0.27	+ 61.2	+31.0	+ 2.5	8.23629	+402	− 39
	2	+ 0.99	−0.65	−0.45	+ 92.2	+31.6	+ 0.6	8.24031	+331	− 71
	3	+ 0.34	−1.30	−0.65	+123.8	+29.4	− 2.2	8.24362	+222	−109
	4	− 0.96	−2.12	−0.82	+153.2	+22.8	− 6.6	8.24584	+ 78	−144
	5	− 3.08	−2.93	−0.81	+176.0	+11.1	−11.7	8.24662	− 87	−165
	6	− 6.01	−3.33	−0.40	+187.1	− 4.2	−15.3	8.24575	−261	−174
	7	− 9.34	−3.03	+0.30	+182.9	−20.2	−16.0	8.24314	−419	−158
	8	−12.37	−2.13	+0.90	+162.7	−32.2	−12.0	8.23895	−540	−121
	9	−14.50	−0.86	+1.27	+130.5	−37.3	− 5.1	8.23355	−616	− 76
	10	−15.36	+0.37	+1.23	+ 93.2	−36.2	+ 1.1	8.22739	−640	− 24
	11	−14.99	+1.25	+0.88	+ 57.0	−31.4	+ 4.8	8.22099	−614	+ 26
	12	−13.74	+1.67	+0.42	+ 25.6	−25.4	+ 6.0	8.21485	−545	+ 69
	13	−12.07	+1.81	+0.14	+ 0.2	−19.6	+ 5.8	8.20940	−443	+102
	14	−10.26	+1.82	+0.01	− 19.4	−14.0	+ 5.6	8.20497	−320	+123
	15	− 8.44	+1.75	−0.07	− 33.4	− 9.3	+ 4.7	8.20177	−187	+133
	16	− 6.69			− 42.7			8.19990		
Juni	30	− 0.30	−0.80		+124.7	+26.5		8.23849	+148	
Juli	1	− 1.10	−1.44	−0.64	+151.2	+21.2	− 5.3	8.23997	+ 75	− 73
	2	− 2.54	−2.17	−0.73	+172.4	+12.3	− 8.9	8.24072	− 16	− 91
	3	− 4.71	−2.77	−0.60	+184.7	− 0.1	−12.4	8.24056	−121	−105
	4	− 7.48	−2.88	−0.11	+184.6	−14.2	−14.1	8.23935	−233	−112
	5	−10.36	−2.32	+0.56	+170.4	−26.9	−12.7	8.23702	−345	−112
	6	−12.68	−1.27	+1.05	+143.5	−34.9	− 8.0	8.23357	−439	− 94
	7	−13.95	−0.13	+1.14	+108.6	−37.1	− 2.2	8.22918	−505	− 66
	8	−14.08	+0.74	+0.87	+ 71.5	−34.3	+ 2.8	8.22413	−536	− 31
	9	−13.34	+1.29	+0.55	+ 37.2	−28.9	+ 5.4	8.21877	−527	+ 9
	10	−12.05	+1.59	+0.30	+ 8.3	−22.9	+ 6.0	8.21350	−480	+ 47
	11	−10.46	+1.70	+0.11	− 14.6	−17.0	+ 5.9	8.20870	−397	+ 83
	12	− 8.76	+1.70	0.00	− 31.6	−12.1	+ 4.9	8.20473	−287	+110
	13	− 7.06	+1.62	−0.08	− 43.7	− 7.9	+ 4.2	8.20186	−159	+128
	14	− 5.44	+1.49	−0.13	− 51.6	− 4.9	+ 3.0	8.20027	− 23	+136
	15	− 3.95	+1.31	−0.18	− 56.5	− 2.7	+ 2.2	8.20004	+115	+138
	16	− 2.64			− 59.2			8.20119		
Juli	29	− 3.39	−1.83		+177.0	+11.6		8.23864	−127	
	30	− 5.22	−2.33	−0.50	+188.6	+ 0.3	−11.3	8.23737	−180	− 53
	31	− 7.55	−2.47	−0.14	+188.9	−12.4	−12.7	8.23557	−233	− 53
Aug.	1	−10.02	−2.10	+0.37	+176.5	−24.1	−11.7	8.23324	−286	− 53
	2	−12.12	−1.29	+0.81	+152.4	−32.4	− 8.3	8.23038	−338	− 52
	3	−13.41	−0.29	+1.00	+120.0	−35.8	− 3.4	8.22700	−384	− 46
	4	−13.70	+0.57	+0.86	+ 84.2	−34.9	+ 0.9	8.22316	−418	− 34
	5	−13.13	+1.13	+0.56	+ 49.3	−30.8	+ 4.1	8.21898	−434	− 16
	6	−12.00		+0.32	+ 18.5		+ 5.4	8.21464		+ 10

Mittlere Mitternacht Berlin.

Datum		$\alpha_{☾} - \alpha_k$			$\delta_{☾} - \delta_k$			log sin p_k		
Aug.	6	−12.00″	+1.45″	+0.32″	+18.5″	−25.4″	+5.4″	8.21464	−424	+10
	7	−10.55	+1.60	+0.15	−6.9	−19.7	+5.7	8.21040	−388	+36
	8	−8.95	+1.63	+0.03	−26.6	−14.5	+5.2	8.20652	−323	+65
	9	−7.32	+1.59	−0.04	−41.1	−9.8	+4.7	8.20329	−233	+90
	10	−5.73	+1.52	−0.07	−50.9	−6.0	+3.8	8.20096	−120	+113
	11	−4.21	+1.40	−0.12	−56.9	−3.2	+2.8	8.19976	+8	+128
	12	−2.81	+1.23	−0.17	−60.1	−1.0	+2.2	8.19984	+145	+137
	13	−1.58	+0.97	−0.26	−61.1	+0.9	+1.9	8.20129	+279	+134
	14	−0.61			−60.2			8.20408		
Aug.	27	−8.57	−2.46		+195.7	−12.5		8.23675	−374	
	28	−11.03	−2.03	+0.43	+183.2	−24.3	−11.8	8.23301	−394	−20
	29	−13.06	−1.20	+0.83	+158.9	−32.1	−7.8	8.22907	−399	−5
	30	−14.26	−0.20	+1.00	+126.8	−35.6	−3.5	8.22508	−398	+1
	31	−14.46	+0.63	+0.83	+91.2	−34.7	+0.9	8.22110	−390	+8
Sept.	1	−13.83	+1.18	+0.55	+56.5	−31.2	+3.5	8.21720	−379	+11
	2	−12.65	+1.49	+0.31	+25.3	−26.4	+4.8	8.21341	−363	+16
	3	−11.16	+1.62	+0.13	−1.1	−21.1	+5.3	8.20978	−336	+27
	4	−9.54	+1.63	+0.01	−22.2	−15.9	+5.2	8.20642	−297	+39
	5	−7.91	+1.59	−0.04	−38.1	−11.2	+4.7	8.20345	−241	+56
	6	−6.32	+1.51	−0.08	−49.3	−7.3	+3.9	8.20104	−166	+75
	7	−4.81	+1.42	−0.09	−56.6	−3.8	+3.5	8.19938	−72	+94
	8	−3.39	+1.31	−0.11	−60.4	−1.1	+2.7	8.19866	+37	+109
	9	−2.08	+1.16	−0.15	−61.5	+0.9	+2.0	8.19903	+161	+124
	10	−0.92	+0.96	−0.20	−60.6	+2.8	+1.9	8.20064	+292	+131
	11	+0.04	+0.74	−0.22	−57.8	+4.7	+1.9	8.20356	+419	+127
	12	+0.78			−53.1			8.20775		
Sept.	26	+15.59	+0.32		−132.5	+37.5		8.22771	−541	
	27	+15.91	−0.65	−0.97	−95.0	+36.2	−1.3	8.22230	−500	+41
	28	+15.26	−1.29	−0.64	−58.8	+32.2	−4.0	8.21730	−447	+53
	29	+13.97	−1.61	−0.32	−26.6	+26.9	−5.3	8.21283	−391	+56
	30	+12.36	−1.72	−0.11	+0.3	+21.5	−5.4	8.20892	−336	+55
Okt.	1	+10.64	−1.71	+0.01	+21.8	+16.4	−5.1	8.20556	−281	+55
	2	+8.93	−1.64	+0.07	+38.2	+11.8	−4.6	8.20275	−223	+58
	3	+7.29	−1.54	+0.10	+50.0	+7.7	−4.1	8.20052	−162	+61
	4	+5.75	−1.42	+0.12	+57.7	+4.1	−3.6	8.19890	−96	+66
	5	+4.33	−1.30	+0.12	+61.8	+1.1	−3.0	8.19794	−19	+77
	6	+3.03	−1.18	+0.12	+62.9	−1.4	−2.5	8.19775	+71	+90
	7	+1.85	−1.07	+0.11	+61.5	−3.4	−2.0	8.19846	+171	+100
	8	+0.78	−0.94	+0.13	+58.1	−5.3	−1.9	8.20017	+282	+111
	9	−0.16	−0.82	+0.12	+52.8	−7.3	−2.0	8.20299	+397	+115
	10	−0.98	−0.68	+0.14	+45.5	−9.7	−2.4	8.20696	+511	+114
	11	−1.66	−0.53	+0.15	+35.8	−12.9	−3.2	8.21207	+614	+103
	12	−2.19			+22.9			8.21821		

Mittlere Mitternacht Berlin.

Datum		$\alpha_☾ - \alpha_k$			$\delta_☾ - \delta_k$			$\log \sin p_k$		
Okt.	26	−15.47 s	+1.62 s		+26.2″	−29.0″		8.21616	−530	
	27	−13.85	+1.79	+0.17 s	− 2.8	−22.8	+6.2″	8.21086	−440	+ 90
	28	−12.06	+1.80	+0.01	−25.6	−16.9	+5.9	8.20646	−347	+ 93
	29	−10.26	+1.72	−0.08	−42.5	−11.7	+5.2	8.20299	−256	+ 91
	30	− 8.54	+1.58	−0.14	−54.2	− 7.5	+4.2	8.20043	−173	+ 83
	31	− 6.96	+1.43	−0.15	−61.7	− 3.9	+3.6	8.19870	− 97	+ 76
Nov.	1	− 5.53	+1.28	−0.15	−65.6	− 0.7	+3.2	8.19773	− 25	+ 72
	2	− 4.25	+1.13	−0.15	−66.3	+ 2.0	+2.7	8.19748	+ 45	+ 70
	3	− 3.12	+1.02	−0.11	−64.3	+ 4.5	+2.5	8.19793	+115	+ 70
	4	− 2.10	+0.93	−0.09	−59.8	+ 6.7	+2.2	8.19908	+190	+ 75
	5	− 1.17	+0.88	−0.05	−53.1	+ 8.6	+1.9	8.20098	+271	+ 81
	6	− 0.29	+0.87	−0.01	−44.5	+10.6	+2.0	8.20369	+359	+ 88
	7	+ 0.58	+0.84	−0.03	−33.9	+12.8	+2.2	8.20728	+450	+ 91
	8	+ 1.42	+0.77	−0.07	−21.1	+15.4	+2.6	8.21178	+537	+ 87
	9	+ 2.19	+0.66	−0.11	− 5.7	+18.6	+3.2	8.21715	+611	+ 74
	10	+ 2.85			+12.9			8.22326		
Nov.	24	−13.20	+1.75		−28.0	−19.1		8.21109	−495	
	25	−11.45	+1.71	−0.04	−47.1	−13.0	+6.1	8.20614	−378	+117
	26	− 9.74	+1.61	−0.10	−60.1	− 7.9	+5.1	8.20236	−260	+118
	27	− 8.13	+1.47	−0.14	−68.0	− 3.6	+4.3	8.19976	−147	+113
	28	− 6.66	+1.29	−0.18	−71.6	− 0.2	+3.4	8.19829	− 44	+103
	29	− 5.37	+1.11	−0.18	−71.8	+ 2.7	+2.9	8.19785	+ 44	+ 88
	30	− 4.26	+0.95	−0.16	−69.1	+ 5.3	+2.6	8.19829	+119	+ 75
Dez.	1	− 3.31	+0.83	−0.12	−63.8	+ 7.9	+2.6	8.19948	+183	+ 64
	2	− 2.48	+0.77	−0.06	−55.9	+10.4	+2.5	8.20131	+238	+ 55
	3	− 1.71	+0.78	+0.01	−45.5	+12.6	+2.2	8.20369	+289	+ 51
	4	− 0.93	+0.83	+0.05	−32.9	+14.7	+2.1	8.20658	+338	+ 49
	5	− 0.10	+0.88	+0.05	−18.2	+16.7	+2.0	8.20996	+388	+ 50
	6	+ 0.78	+0.87	−0.01	− 1.5	+18.6	+1.9	8.21384	+439	+ 51
	7	+ 1.65	+0.79	−0.08	+17.1	+20.8	+2.2	8.21823	+485	+ 46
	8	+ 2.44	+0.60	−0.19	+37.9	+23.3	+2.5	8.22308	+522	+ 37
	9	+ 3.04	+0.30	−0.30	+61.2	+25.5	+2.2	8.22830	+539	+ 17
	10	+ 3.34			+86.7			8.23369		
Dez.	25	− 7.38	+1.30		−77.0	− 0.5		8.20028	−135	
	26	− 6.08	+1.14	−0.16	−77.5	+ 2.8	+3.3	8.19893	− 9	+126
	27	− 4.94	+0.96	−0.18	−74.7	+ 5.7	+2.9	8.19884	+104	+113
	28	− 3.98	+0.80	−0.16	−69.0	+ 8.4	+2.7	8.19988	+198	+ 94
	29	− 3.18	+0.69	−0.11	−60.6	+11.0	+2.6	8.20186	+270	+ 72
	30	− 2.49	+0.64	−0.05	−49.6	+13.6	+2.6	8.20456	+323	+ 53
	31	− 1.85			−36.0			8.20779		

12h Mittl. Zeit	Lage gegen den Erdäquator.							
	i		Δ		☊′		Δ − ☋	
Jan. 1	21° 57′.09	0′.19	167° 35′.13	33′.81	0° 49′.74	2′.22	359° 14′.11	2′.05
11	21 57.28	0.20	167 1.32	33.81	0 51.96	2.22	359 12.06	2.05
21	21 57.48	0.20	166 27.51	33.81	0 54.18	2.21	359 10.01	2.04
31	21 57.68	0.22	165 53.70	33.80	0 56.39	2.20	359 7.97	2.04
Febr. 10	21 57.90	0.22	165 19.90	33.80	0 58.59	2.20	359 5.93	2.03
20	21 58.12	0.23	164 46.10	33.79	1 0.79	2.19	359 3.90	2.02
März 2	21 58.35	0.23	164 12.31	33.79	1 2.98	2.19	359 1.88	2.02
12	21 58.58	0.25	163 38.52	33.79	1 5.17	2.18	358 59.86	2.01
22	21 58.83	0.25	163 4.73	33.78	1 7.35	2.17	358 57.85	2.00
April 1	21 59.08	0.26	162 30.95	33.77	1 9.52	2.17	358 55.85	1.99
11	21 59.34	0.26	161 57.18	33.77	1 11.69	2.16	358 53.86	1.99
21	21 59.60	0.27	161 23.41	33.75	1 13.85	2.15	358 51.87	1.98
Mai 1	21 59.87	0.28	160 49.66	33.75	1 16.00	2.14	358 49.89	1.97
11	22 0.15	0.29	160 15.91	33.74	1 18.14	2.13	358 47.92	1.96
21	22 0.44	0.30	159 42.17	33.72	1 20.27	2.13	358 45.96	1.96
31	22 0.74	0.30	159 8.45	33.71	1 22.40	2.11	358 44.00	1.95
Juni 10	22 1.04	0.31	158 34.74	33.71	1 24.51	2.11	358 42.05	1.95
20	22 1.35	0.33	158 1.03	33.70	1 26.62	2.10	358 40.10	1.94
30	22 1.68	0.33	157 27.33	33.69	1 28.72	2.10	358 38.16	1.92
Juli 10	22 2.01	0.34	156 53.64	33.68	1 30.82	2.08	358 36.24	1.92
20	22 2.35	0.35	156 19.96	33.68	1 32.90	2.07	358 34.32	1.91
30	22 2.70	0.36	155 46.28	33.67	1 34.97	2.06	358 32.41	1.91
Aug. 9	22 3.06	0.36	155 12.61	33.66	1 37.03	2.05	358 30.50	1.89
19	22 3.42	0.37	154 38.95	33.65	1 39.08	2.04	358 28.61	1.88
29	22 3.79	0.37	154 5.30	33.65	1 41.12	2.04	358 26.73	1.86
Sept. 8	22 4.16	0.38	153 31.65	33.64	1 43.16	2.02	358 24.87	1.86
18	22 4.54	0.39	152 58.01	33.63	1 45.18	2.01	358 23.01	1.85
28	22 4.93	0.40	152 24.38	33.62	1 47.19	2.00	358 21.16	1.84
Okt. 8	22 5.33	0.40	151 50.76	33.61	1 49.19	1.99	358 19.32	1.84
18	22 5.73	0.41	151 17.15	33.60	1 51.18	1.98	358 17.48	1.82
28	22 6.14	0.42	150 43.55	33.58	1 53.16	1.97	358 15.66	1.81
Nov. 7	22 6.56	0.42	150 9.97	33.57	1 55.13	1.96	358 13.85	1.80
17	22 6.98	0.43	149 36.40	33.56	1 57.09	1.94	358 12.05	1.80
27	22 7.41	0.44	149 2.84	33.54	1 59.03	1.93	358 10.25	1.78
Dez. 7	22 7.85	0.44	148 29.30	33.53	2 0.96	1.92	358 8.47	1.77
17	22 8.29	0.46	147 55.77	33.52	2 2.88	1.90	358 6.70	1.75
27	22 8.75	0.46	147 22.25	33.50	2 4.78	1.90	358 4.95	1.74
37	22 9.21		146 48.75		2 6.68		358 3.21	

12h Mittl. Zeit	Aufst. Knoten der Mondbahn °	′	″	Mittlere Länge des Mondes °	′	″
Jan. 1	348	20	57.7	340	38	17.3
11	347	49	11.4	112	24	7.6
21	347	17	25.0	244	9	57.9
31	346	45	38.7	15	55	48.2
Febr. 10	346	13	52.3	147	41	38.5
20	345	42	6.0	279	27	28.8
März 2	345	10	19.7	51	13	19.0
12	344	38	33.3	182	59	9.3
22	344	6	47.0	314	44	59.6
April 1	343	35	0.6	86	30	49.9
11	343	3	14.3	218	16	40.2
21	342	31	27.9	350	2	30.5
Mai 1	341	59	41.6	121	48	20.8
11	341	27	55.2	253	34	11.1
21	340	56	8.9	25	20	1.4
31	340	24	22.5	157	5	51.7
Juni 10	339	52	36.2	288	51	42.0
20	339	20	49.8	60	37	32.3
30	338	49	3.5	192	23	22.6
Juli 10	338	17	17.1	324	9	12.9
20	337	45	30.8	95	55	3.2
30	337	13	44.5	227	40	53.5
Aug. 9	336	41	58.1	359	26	43.8
19	336	10	11.8	131	12	34.1
29	335	38	25.4	262	58	24.4
Sept. 8	335	6	39.1	34	44	14.6
18	334	34	52.8	166	30	4.9
28	334	3	6.4	298	15	55.2
Okt. 8	333	31	20.1	70	1	45.5
18	332	59	33.7	201	47	35.8
28	332	27	47.4	333	33	26.1
Nov. 7	331	56	1.1	105	19	16.4
17	331	24	14.7	237	5	6.7
27	330	52	28.4	8	50	57.0
Dez. 7	330	20	42.0	140	36	47.3
17	329	48	55.7	272	22	37.6
27	329	17	9.3	44	8	27.9
37	328	45	23.0	175	54	18.1

Bewegung der mittleren Länge des Mondes nach mittlerer Sonnenzeit

d	°	′	″
1	13	10	35.0
2	26	21	10.1
3	39	31	45.1
4	52	42	20.1
5	65	52	55.1
6	79	3	30.2
7	92	14	5.2
8	105	24	40.2
9	118	35	15.2
10	131	45	50.3

h	°	′	″
1	0	32	56.5
2	1	5	52.9
3	1	38	49.4
4	2	11	45.8
5	2	44	42.3
6	3	17	38.8
7	3	50	35.2
8	4	23	31.7
9	4	56	28.1
10	5	29	24.6
11	6	2	21.1
12	6	35	17.5
13	7	8	14.0
14	7	41	10.4
15	8	14	6.9
16	8	47	3.4
17	9	19	59.8
18	9	52	56.3
19	10	25	52.7
20	10	58	49.2
21	11	31	45.6
22	12	4	42.1
23	12	37	38.5
24	13	10	35.0

m	′	″	m	′	″
1	0	32.9	31	17	1.2
2	1	5.9	32	17	34.1
3	1	38.8	33	18	7.1
4	2	11.8	34	18	40.0
5	2	44.7	35	19	12.9
6	3	17.6	36	19	45.9
7	3	50.6	37	20	18.8
8	4	23.5	38	20	51.8
9	4	56.5	39	21	24.7
10	5	29.4	40	21	57.6
11	6	2.3	41	22	30.6
12	6	35.3	42	23	3.5
13	7	8.2	43	23	36.5
14	7	41.2	44	24	9.4
15	8	14.1	45	24	42.3
16	8	47.1	46	25	15.3
17	9	20.0	47	25	48.2
18	9	52.9	48	26	21.2
19	10	25.9	49	26	54.1
20	10	58.8	50	27	27.1
21	11	31.8	51	28	0.0
22	12	4.7	52	28	32.9
23	12	37.6	53	29	5.9
24	13	10.6	54	29	38.8
25	13	43.5	55	30	11.8
26	14	16.5	56	30	44.7
27	14	49.4	57	31	17.6
28	15	22.3	58	31	50.6
29	15	55.3	59	32	23.5
30	16	28.2	60	32	56.5

s	″
10	5.5
20	11.0
30	16.5
40	22.0
50	27.5
60	32.9

Meridian und Polhöhe von Berlin.

Datum	SONNE		MOND	
	Unterg.	Aufg.	Unterg.	Aufg.
	h m	h m	h m	h m
Jan. 0	3 53	20 14	8 13	22 50
1	3 54	20 13	9 26	22 58
2	3 55	20 13	10 38	23 7
3	3 56	20 13	11 48	23 16
4	3 57	20 13	12 59	23 25
5	3 58	20 13	14 13	23 36
6	3 59	20 12	15 29	23 53
7	4 1	20 12	16 47	—
			Aufg.	Unterg.
8	4 2	20 11	0 16	18 5
9	4 3	20 10	0 50	19 14
10	4 5	20 10	1 40	20 9
11	4 6	20 9	2 49	20 48
12	4 8	20 8	4 13	21 14
13	4 9	20 8	5 44	21 33
14	4 11	20 7	7 15	21 47
15	4 12	20 6	8 45	21 59
16	4 14	20 5	10 12	22 11
17	4 16	20 4	11 39	22 22
18	4 17	20 3	13 8	22 35
19	4 19	20 2	14 37	22 53
20	4 21	20 1	16 5	23 17
21	4 22	20 0	17 29	23 53
22	4 24	19 58	18 39	—
			Unterg.	Aufg.
23	4 26	19 57	0 45	19 31
24	4 28	19 56	1 53	20 5
25	4 30	19 54	3 12	20 28
26	4 31	19 53	4 34	20 44
27	4 33	19 52	5 53	20 56
28	4 35	19 50	7 9	21 6
39	4 37	19 49	8 22	21 14
30	4 39	19 47	9 33	21 23
31	4 41	19 45	10 43	21 32
Febr. 1	4 43	19 44	11 55	21 43
2	4 45	19 42	13 10	21 56
3	4 46	19 41	14 26	22 15
4	4 48	19 39	15 43	22 43
5	4 50	19 37	16 55	23 24
6	4 52	19 35	17 57	—

Datum	SONNE		MOND	
	Unterg.	Aufg.	Aufg.	Unterg.
	h m	h m	h m	h m
Febr. 7	4 54	19 34	0 23	18 43
8	4 56	19 32	1 41	19 15
9	4 58	19 30	3 10	19 37
10	5 0	19 28	4 44	19 53
11	5 2	19 26	6 17	20 6
12	5 4	19 24	7 48	20 18
13	5 6	19 22	9 19	20 29
14	5 8	19 20	10 50	20 42
15	5 9	19 18	12 22	20 58
16	5 11	19 16	13 53	21 20
17	5 13	19 14	15 19	21 52
18	5 15	19 12	16 34	22 39
19	5 17	19 10	17 30	23 42
20	5 19	19 8	18 9	—
			Unterg.	Aufg.
21	5 21	19 6	0 57	18 34
22	5 23	19 4	2 17	18 52
23	5 25	19 2	3 37	19 5
24	5 26	19 0	4 53	19 15
25	5 28	18 57	6 7	19 23
26	5 30	18 55	7 19	19 32
27	5 32	18 53	8 30	19 40
28	5 34	18 51	9 41	19 50
März 1	5 36	18 48	10 54	20 2
2	5 37	18 46	12 9	20 19
3	5 39	18 44	13 25	20 42
4	5 41	18 42	14 38	21 15
5	5 43	18 39	15 43	22 5
6	5 45	18 37	16 35	23 12
7	5 47	18 35	17 12	—
			Aufg.	Unterg.
8	5 49	18 32	0 35	17 38
9	5 50	18 30	2 5	17 57
10	5 52	18 28	3 39	18 11
11	5 54	18 26	5 12	18 23
12	5 56	18 23	6 44	18 35
13	5 58	18 21	8 18	18 48
14	5 59	18 19	9 54	19 3
15	6 1	18 16	11 29	19 22
16	6 3	18 14	13 2	19 51

Meridian und Polhöhe von Berlin.

Datum	SONNE		MOND	
	Unterg.	Aufg.	Aufg.	Unterg.
	h m	h m	h m	h m
März 17	6 5	18 12	14 24	20 34
18	6 6	18 9	15 27	21 33
19	6 8	18 7	16 11	22 46
20	6 10	18 5	16 40	—
			Unterg.	Aufg.
21	6 12	18 2	0 5	17 0
22	6 13	18 0	1 25	17 14
23	6 15	17 57	2 42	17 25
24	6 17	17 55	3 55	17 33
25	6 19	17 53	5 7	17 41
26	6 20	17 50	6 18	17 50
27	6 22	17 48	7 29	18 0
28	6 24	17 46	8 41	18 11
29	6 26	17 43	9 55	18 25
30	6 27	17 41	11 11	18 45
31	6 29	17 39	12 25	19 15
April 1	6 31	17 36	13 33	19 57
2	6 33	17 34	14 28	20 56
3	6 34	17 31	15 9	22 11
4	6 36	17 29	15 39	23 35
5	6 38	17 27	16 0	—
			Aufg.	Unterg.
6	6 40	17 25	1 4	16 16
7	6 41	17 22	2 35	16 29
8	6 43	17 20	4 5	16 40
9	6 45	17 18	5 39	16 52
10	6 46	17 15	7 15	17 6
11	6 48	17 13	8 52	17 24
12	6 50	17 11	10 30	17 50
13	6 52	17 9	12 1	18 27
14	6 53	17 6	13 15	19 21
15	6 55	17 4	14 8	20 32
16	6 57	17 2	14 43	21 52
17	6 59	17 0	15 6	23 12
18	7 0	16 58	15 21	—
			Unterg.	Aufg.
19	7 2	16 55	0 30	15 33
20	7 4	16 53	1 45	15 43
21	7 6	16 51	2 57	15 51

Datum	SONNE		MOND	
	Unterg.	Aufg.	Unterg.	Aufg.
	h m	h m	h m	h m
April 22	7 7	16 49	4 8	16 0
23	7 9	16 47	5 18	16 9
24	7 11	16 45	6 30	16 20
25	7 13	16 43	7 44	16 33
26	7 14	16 41	8 59	16 51
27	7 16	16 38	10 14	17 18
28	7 18	16 36	11 24	17 56
29	7 19	16 34	12 23	18 50
30	7 21	16 32	13 8	19 58
Mai 1	7 23	16 30	13 41	21 18
2	7 25	16 28	14 4	22 43
3	7 26	16 27	14 20	—
			Aufg.	Unterg.
4	7 28	16 25	0 10	14 34
5	7 30	16 23	1 37	14 46
6	7 31	16 21	3 6	14 58
7	7 33	16 19	4 37	15 10
8	7 35	16 17	6 12	15 26
9	7 36	16 16	7 50	15 48
10	7 38	16 14	9 26	16 19
11	7 39	16 12	10 51	17 6
12	7 41	16 11	11 56	18 12
13	7 43	16 9	12 39	19 31
14	7 44	16 7	13 8	20 54
15	7 46	16 6	13 27	22 15
16	7 47	16 4	13 40	23 32
17	7 49	16 3	13 50	—
			Unterg.	Aufg.
18	7 50	16 1	0 45	13 59
19	7 52	16 0	1 57	14 8
20	7 53	15 59	3 7	14 17
21	7 55	15 57	4 18	14 28
22	7 56	15 56	5 31	14 40
23	7 58	15 55	6 46	14 57
24	7 59	15 54	8 2	15 22
25	8 1	15 52	9 14	15 56
26	8 2	15 51	10 17	16 45
27	8 3	15 50	11 7	17 50
28	8 5	15 49	11 43	19 7
29	8 6	15 48	12 8	20 30

Meridian und Polhöhe von Berlin.

Datum		SONNE Unterg.	SONNE Aufg.	MOND Unterg.	MOND Aufg.
		h m	h m	h m	h m
Mai	30	8 7	15 47	12 26	21 55
	31	8 8	15 46	12 41	23 20
Juni	1	8 10	15 45	12 53	—
				Aufg.	Unterg.
	2	8 11	15 44	0 45	13 4
	3	8 12	15 44	2 12	13 16
	4	8 13	15 43	3 42	13 30
	5	8 14	15 42	5 16	13 48
	6	8 15	15 42	6 51	14 14
	7	8 16	15 41	8 22	14 52
	8	8 17	15 41	9 38	15 50
	9	8 17	15 40	10 31	17 5
	10	8 18	15 40	11 6	18 29
	11	8 19	15 39	11 29	19 53
	12	8 20	15 39	11 45	21 14
	13	8 20	15 39	11 57	22 30
	14	8 21	15 39	12 7	23 43
	15	8 22	15 39	12 16	—
				Unterg.	Aufg.
	16	8 22	15 39	0 54	12 25
	17	8 23	15 39	2 4	12 34
	18	8 23	15 39	3 17	12 46
	19	8 23	15 39	4 31	13 2
	20	8 24	15 39	5 47	13 23
	21	8 24	15 39	7 1	13 54
	22	8 24	15 39	8 8	14 39
	23	8 24	15 39	9 3	15 39
	24	8 24	15 40	9 44	16 54
	25	8 24	15 40	10 12	18 17
	26	8 24	15 41	10 32	19 43
	27	8 24	15 41	10 48	21 8
	28	8 24	15 42	11 0	22 33
	29	8 24	15 43	11 11	23 58
	30	8 24	15 43	11 23	—
				Aufg.	Unterg.
Juli	1	8 24	15 43	1 25	11 35
	2	8 23	15 44	2 55	11 51
	3	8 23	15 45	4 27	12 13
	4	8 23	15 46	5 58	12 45
Datum		SONNE Unterg.	SONNE Aufg.	MOND Aufg.	MOND Unterg.
		h m	h m	h m	h m
Juli	5	8 22	15 47	7 19	13 33
	6	8 22	15 47	8 21	14 41
	7	8 21	15 48	9 3	16 2
	8	8 20	15 49	9 31	17 27
	9	8 20	15 50	9 49	18 51
	10	8 19	15 51	10 3	20 10
	11	8 18	15 52	10 14	21 25
	12	8 17	15 54	10 23	22 38
	13	8 17	15 55	10 32	23 49
	14	8 16	15 56	10 41	—
				Unterg.	Aufg.
	15	8 15	15 57	1 1	10 52
	16	8 14	15 59	2 14	11 6
	17	8 12	16 0	3 29	11 25
	18	8 11	16 1	4 44	11 51
	19	8 10	16 2	5 55	12 30
	20	8 9	16 4	6 55	13 24
	21	8 8	16 5	7 41	14 35
	22	8 6	16 7	8 14	15 57
	23	8 5	16 8	8 37	17 24
	24	8 4	16 9	8 55	18 52
	25	8 2	16 11	9 8	20 19
	26	8 1	16 12	9 20	21 45
	27	7 59	16 14	9 31	23 12
	28	7 58	16 15	9 43	—
				Aufg.	Unterg.
	29	7 56	16 17	0 41	9 57
	30	7 55	16 18	2 11	10 16
	31	7 53	16 20	3 42	10 44
Aug.	1	7 51	16 21	5 5	11 25
	2	7 50	16 23	6 13	12 24
	3	7 48	16 24	7 1	13 40
	4	7 46	16 26	7 33	15 4
	5	7 44	16 28	7 54	16 28
	6	7 43	16 29	8 9	17 49
	7	7 41	16 31	8 21	19 6
	8	7 39	16 33	8 30	20 20
	9	7 37	16 34	8 39	21 32
	10	7 35	16 36	8 49	22 44
	11	7 33	16 37	8 59	23 57

Meridian und Polhöhe von Berlin.

Datum	SONNE Unterg.	SONNE Aufg.	MOND Aufg.	MOND Unterg.
	h m	h m	h m	h m
Aug. 12	7 31	16 39	9 11	—
			Unterg.	Aufg.
13	7 29	16 41	1 11	9 27
14	7 27	16 42	2 26	9 50
15	7 25	16 44	3 38	10 22
16	7 23	16 46	4 43	11 9
17	7 21	16 48	5 35	12 13
18	7 19	16 49	6 13	13 30
19	7 17	16 51	6 40	14 57
20	7 15	16 53	7 0	16 26
21	7 13	16 54	7 15	17 55
22	7 11	16 56	7 27	19 24
23	7 8	16 57	7 39	20 53
24	7 6	16 59	7 51	22 24
25	7 4	17 1	8 4	23 56
26	7 2	17 3	8 22	—
			Aufg.	Unterg.
27	7 0	17 4	1 28	8 47
28	6 57	17 6	2 55	9 23
29	6 55	17 8	4 8	10 16
30	6 53	17 9	5 1	11 26
31	6 51	17 11	5 36	12 47
Sept. 1	6 48	17 13	6 0	14 10
2	6 46	17 14	6 17	15 31
3	6 44	17 16	6 29	16 49
4	6 41	17 17	6 39	18 4
5	6 39	17 19	6 48	19 16
6	6 37	17 21	6 57	20 28
7	6 35	17 22	7 7	21 41
8	6 32	17 24	7 18	22 55
9	6 30	17 26	7 33	—
			Unterg.	Aufg.
10	6 27	17 27	0 9	7 52
11	6 25	17 29	1 22	8 20
12	6 23	17 31	2 29	8 59
13	6 20	17 33	3 26	9 54
14	6 18	17 34	4 9	11 5
15	6 16	17 36	4 40	12 26

Datum	SONNE Unterg.	SONNE Aufg.	MOND Unterg.	MOND Aufg.
	h m	h m	h m	h m
Sept. 16	6 13	17 38	5 2	13 53
17	6 11	17 39	5 18	15 22
18	6 8	17 41	5 32	16 52
19	6 6	17 43	5 45	18 23
20	6 4	17 44	5 57	19 55
21	6 1	17 46	6 10	21 30
22	5 59	17 48	6 27	23 6
23	5 57	17 49	6 49	—
			Aufg.	Unterg.
24	5 54	17 51	0 38	7 22
25	5 52	17 53	1 59	8 11
26	5 49	17 54	2 59	9 16
27	5 47	17 56	3 39	10 35
28	5 45	17 58	4 6	11 57
29	5 42	18 0	4 24	13 18
30	5 40	18 1	4 38	14 36
Okt. 1	5 38	18 3	4 48	15 51
2	5 35	18 5	4 58	17 4
3	5 33	18 6	5 7	18 15
4	5 31	18 8	5 16	19 27
5	5 28	18 10	5 27	20 40
6	5 26	18 11	5 40	21 54
7	5 24	18 13	5 57	23 8
8	5 21	18 15	6 22	—
			Unterg.	Aufg.
9	5 19	18 17	0 17	6 57
10	5 17	18 18	1 17	7 45
11	5 14	18 20	2 4	8 48
12	5 12	18 22	2 39	10 3
13	5 10	18 24	3 4	11 25
14	5 8	18 26	3 23	12 51
15	5 5	18 27	3 38	14 18
16	5 3	18 29	3 50	15 47
17	5 1	18 31	4 2	17 18
18	4 59	18 33	4 15	18 53
19	4 57	18 35	4 30	20 30
20	4 54	18 36	4 50	22 8
21	4 52	18 38	5 19	23 38
22	4 50	18 40	6 2	—

Meridian und Polhöhe von Berlin.

Datum		SONNE		MOND	
		Unterg.	Aufg.	Aufg.	Unterg.
		h m	h m	h m	h m
Okt.	23	4 48	18 42	0 49	7 4
	24	4 46	18 44	1 38	8 21
	25	4 44	18 45	2 9	9 44
	26	4 42	18 47	2 30	11 7
	27	4 40	18 49	2 45	12 26
	28	4 38	18 51	2 57	13 41
	29	4 36	18 53	3 7	14 53
	30	4 34	18 55	3 16	16 5
	31	4 32	18 57	3 25	17 16
Nov.	1	4 30	18 59	3 36	18 29
	2	4 28	19 1	3 48	19 43
	3	4 26	19 2	4 5	20 56
	4	4 24	19 4	4 27	22 6
	5	4 23	19 6	4 58	23 9
	6	4 21	19 8	5 42	—
				Unterg.	Aufg.
	7	4 19	19 10	0 0	6 40
	8	4 17	19 12	0 39	7 50
	9	4 16	19 14	1 7	9 8
	10	4 14	19 15	1 27	10 30
	11	4 12	19 17	1 42	11 53
	12	4 11	19 19	1 55	13 17
	13	4 9	19 21	2 7	14 43
	14	4 8	19 22	2 19	16 14
	15	4 6	19 24	2 33	17 49
	16	4 5	19 26	2 50	19 27
	17	4 3	19 28	3 14	21 3
	18	4 2	19 30	3 51	22 26
	19	4 1	19 31	4 45	23 27
	20	3 59	19 33	5 58	—
				Aufg.	Unterg.
	21	3 58	19 35	0 7	7 22
	22	3 57	19 37	0 33	8 49
	23	3 56	19 38	0 51	10 11
	24	3 55	19 40	1 4	11 29
	25	3 54	19 42	1 15	12 43
	26	3 53	19 43	1 24	13 55

Datum		SONNE		MOND	
		Unterg.	Aufg.	Aufg.	Unterg.
		h m	h m	h m	h m
Nov.	27	3 52	19 45	1 33	15 5
	28	3 51	19 46	1 44	16 17
	29	3 50	19 48	1 56	17 30
	30	3 49	19 49	2 11	18 44
Dez.	1	3 48	19 51	2 31	19 56
	2	3 48	19 52	3 0	21 2
	3	3 47	19 54	3 40	21 57
	4	3 46	19 55	4 34	22 39
	5	3 46	19 56	5 42	23 10
	6	3 45	19 58	6 57	23 32
	7	3 45	19 59	8 17	23 48
	8	3 44	20 0	9 38	—
				Unterg.	Aufg.
	9	3 44	20 1	0 2	11 0
	10	3 44	20 2	0 14	12 22
	11	3 44	20 3	0 25	13 47
	12	3 44	20 4	0 37	15 16
	13	3 43	20 5	0 52	16 50
	14	3 43	20 6	1 12	18 25
	15	3 44	20 7	1 41	19 55
	16	3 44	20 8	2 25	21 8
	17	3 44	20 9	3 29	21 59
	18	3 44	20 10	4 51	22 32
	19	3 44	20 10	6 20	22 53
	20	3 45	20 11	7 47	23 9
	21	3 45	20 11	9 9	23 21
	22	3 46	20 12	10 26	23 31
	23	3 46	20 12	11 40	23 41
	24	3 47	20 13	12 52	23 51
	25	3 47	20 13	14 4	—
				Aufg.	Unterg.
	26	3 48	20 13	0 2	15 17
	27	3 49	20 13	0 16	16 30
	28	3 50	20 14	0 34	17 43
	29	3 51	20 14	1 0	18 52
	30	3 51	20 14	1 36	19 51
	31	3 52	20 14	2 26	20 38

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tagbogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Jan. 0	17 38 0.95		−23 35 44.9		0.127463	23 1	3 46
		+6 32.37		− 9 56.4			
1	17 44 33.32		23 45 41.3		0.130475	23 4	3 45
		6 35.15		8 46.7			
2	17 51 8.47		23 54 28.0		0.133286	23 6	3 44
		6 37.77		7 35.2			
3	17 57 46.24		24 2 3.2		0.135901	23 9	3 43
		6 40.26		6 22.1			
4	18 4 26.50		24 8 25.3		0.138326	23 12	3 42
		+6 42.59		− 5 7.6			
5	18 11 9.09		−24 13 32.9		0.140566	23 14	3 41
		6 44.79		3 51.7			
6	18 17 53.88		24 17 24.6		0.142626	23 17	3 41
		6 46.86		2 34.4			
7	18 24 40.74		24 19 59.0		0.144510	23 20	3 40
		6 48.80		− 1 15.7			
8	18 31 29.54		24 21 14.7		0.146221	23 23	3 40
		6 50.63		+ 0 4.0			
9	18 38 20.17		24 21 10.7		0.147763	23 26	3 40
		+6 52.34		+ 1 24.9			
10	18 45 12.51		−24 19 45.8		0.149137	23 29	3 41
		6 53.94		2 46.9			
11	18 52 6.45		24 16 58.9		0.150345	23 32	3 41
		6 55.42		4 9.9			
12	18 59 1.87		24 12 49.0		0.151389	23 35	3 41
		6 56.80		5 34.0			
13	19 5 58.67		24 7 15.0		0.152270	23 38	3 42
		6 58.07		6 59.1			
14	19 12 56.74		24 0 15.9		0.152988	23 41	3 43
		+6 59.24		+ 8 25.0			
15	19 19 55.98		−23 51 50.9		0.153542	23 44	3 44
		7 0.30		9 51.8			
16	19 26 56.28		23 41 59.1		0.153931	23 47	3 45
		7 1.26		11 19.5			
17	19 33 57.54		23 30 39.6		0.154154	23 50	3 47
		7 2.11		12 47.9			
18	19 40 59.65		23 17 51.7		0.154209	23 53	3 48
		7 2.86		14 17.1			
19	19 48 2.51		23 3 34.6		0.154093	23 56	3 50
		+7 3.50		+15 46.9			
20	19 55 6.01		−22 47 47.7		0.153803	23 59	3 52
		7 4.04		17 17.4			
21	20 2 10.05		22 30 30.3		0.153335	0 2	3 54
		7 4.47		18 48.4			
22	20 9 14.52		22 11 41.9		0.152684	0 5	3 56
		7 4.78		20 19.8			
23	20 16 19.30		21 51 22.1		0.151844	0 9	3 59
		7 4.99		21 51.7			
24	20 23 24.29		21 29 30.4		0.150810	0 12	4 1
		+7 5.07		+23 24.0			
25	20 30 29.36		−21 6 6.4		0.149574	0 15	4 4
		7 5.03		24 56.4			
26	20 37 34.39		20 41 10.0		0.148128	0 18	4 7
		7 4.86		26 28.8			
27	20 44 39.25		20 14 41.2		0.146464	0 21	4 10
		7 4.54		28 1.2			
28	20 51 43.79		19 46 40.0		0.144571	0 24	4 13
		7 4.07		29 33.4			
29	20 58 47.86		19 17 6.6		0.142438	0 27	4 16
		+7 3.42		+31 5.2			
30	21 5 51.28		−18 46 1.4		0.140053	0 30	4 19
		7 2.58		32 36.5			
31	21 12 53.86		18 13 24.9		0.137403	0 34	4 23
		7 1.53		34 6.7			
Febr. 1	21 19 55.39		17 39 18.2		0.134473	0 37	4 26
		7 0.22		35 35.7			
2	21 26 55.61		17 3 42.5		0.131246	0 40	4 30
		6 58.63		37 3.0			
3	21 33 54.24		16 26 39.5		0.127706	0 43	4 34
		+6 56.70		+38 28.3			
4	21 40 50.94		−15 48 11.2		0.123834	0 46	4 37
		6 54.39		39 51.0			
5	21 47 45.33		15 8 20.2		0.119610	0 49	4 41
		6 51.64		41 10.4			
6	21 54 36.97		14 27 9.8		0.115012	0 52	4 46
		6 48.37		42 25.9			
7	22 1 25.34		13 44 43.9		0.110018	0 55	4 50
		6 44.49		43 36.6			
8	22 8 9.83		13 1 7.3		0.104604	0 57	4 54

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Febr. 7	22 1 25.34	+6 44.49	−13 44 43.9	+43 36.6	0.110018	0 55	4 50
8	22 8 9.83	6 39.91	13 1 7.3	44 41.4	0.104604	0 57	4 54
9	22 14 49.74	6 34.51	12 16 25.9	45 39.3	0.098747	1 0	4 58
10	22 21 24.25	6 28.17	11 30 46.6	46 29.2	0.092422	1 3	5 2
11	22 27 52.42	+6 20.78	10 44 17.4	+47 9.4	0.085605	1 5	5 7
12	22 34 13.20	6 12.17	− 9 57 8.0	47 38.7	0.078272	1 8	5 11
13	22 40 25.37	6 2.19	9 9 29.3	47 55.3	0.070402	1 10	5 15
14	22 46 27.56	5 50.68	8 21 34.0	47 57.6	0.061977	1 12	5 20
15	22 52 18.24	5 37.50	7 33 36.4	47 43.9	0.052982	1 14	5 24
16	22 57 55.74	+5 22.49	6 45 52.5	+47 12.3	0.043407	1 16	5 28
17	23 3 18.23	5 5.52	− 5 58 40.2	46 21.4	0.033250	1 17	5 32
18	23 8 23.75	4 46.50	5 12 18.8	45 9.9	0.022516	1 18	5 36
19	23 13 10.25	4 25.35	4 27 8.9	43 36.3	0.011221	1 19	5 40
20	23 17 35.60	4 2.05	3 43 32.6	41 39.9	9.999390	1 19	5 44
21	23 21 37.65	+3 36.63	3 1 52.7	+39 20.2	9.987061	1 20	5 48
22	23 25 14.28	3 9.20	− 2 22 32.5	36 37.0	9.974286	1 19	5 51
23	23 28 23.48	2 39.89	1 45 55.5	33 30.7	9.961129	1 18	5 54
24	23 31 3.37	2 8.94	1 12 24.8	30 2.2	9.947669	1 17	5 57
25	23 33 12.31	1 36.65	0 42 22.6	26 13.0	9.933999	1 15	6 0
26	23 34 48.96	+1 3.40	− 0 16 9.6	+22 4.9	9.920223	1 13	6 2
27	23 35 52.36	+0 29.64	+ 0 5 55.3	17 40.3	9.906460	1 10	6 4
28	23 36 22.00	−0 4.12	0 23 35.6	13 2.4	9.892838	1 7	6 6
März 1	23 36 17.88	0 37.29	0 36 38.0	8 14.9	9.879493	1 3	6 7
2	23 35 40.59	1 9.22	0 44 52.9	+ 3 22.2	9.866569	0 58	6 8
3	23 34 31.37	−1 39.27	0 48 15.1	− 1 30.5	9.854212	0 53	6 8
4	23 32 52.10	2 6.76	+ 0 46 44.6	6 17.9	9.842568	0 47	6 8
5	23 30 45.34	2 31.05	0 40 26.7	10 53.9	9.831776	0 41	6 7
6	23 28 14.29	2 51.57	0 29 32.8	15 12.5	9.821967	0 35	6 6
7	23 25 22.72	3 7.82	+ 0 14 20.3	19 7.8	9.813257	0 28	6 5
8	23 22 14.90	−3 19.43	− 0 4 47.5	−22 34.4	9.805741	0 21	6 3
9	23 18 55.47	3 26.25	− 0 27 21.9	25 27.9	9.799493	0 14	6 1
10	23 15 29.22	3 28.23	0 52 49.8	27 45.2	9.794558	0 6	5 59
11	23 12 0.99	3 25.54	1 20 35.0	29 24.5	9.790953	23 59	5 57
12	23 8 35.45	3 18.46	1 49 59.5	30 25.6	9.788669	23 52	5 54
13	23 5 16.99	−3 7.44	2 20 25.1	−30 49.8	9.787670	23 44	5 51
14	23 2 9.55	2 53.03	− 2 51 14.9	30 39.7	9.787895	23 37	5 49
15	22 59 16.52	2 35.78	3 21 54.6	29 58.6	9.789266	23 30	5 46
16	22 56 40.74	2 16.32	3 51 53.2	28 50.4	9.791691	23 24	5 43
17	22 54 24.42	1 55.22	4 20 43.6	27 19.6	9.795069	23 18	5 41
18	22 52 29.20		4 48 3.2		9.799292	23 12	5 39

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
März 17	22 54 24.42	−1 55.22	−4 20 43.6	−27 19.6	9.795069	23 18	5 41
18	22 52 29.20	1 33.04	4 48 3.2	25 30.5	9.799292	23 12	5 39
19	22 50 56.16	1 10.26	5 13 33.7	23 27.2	9.804255	23 6	5 36
20	22 49 45.90	0 47.28	5 37 0.9	21 13.3	9.809854	23 1	5 34
21	22 48 58.62	−0 24.47	5 58 14.2	−18 52.2	9.815990	22 56	5 32
22	22 48 34.15	−0 2.09	−6 17 6.4	16 26.6	9.822572	22 52	5 31
23	22 48 32.06	+0 19.64	6 33 33.0	13 58.8	9.829517	22 48	5 29
24	22 48 51.70	0 40.56	6 47 31.8	11 30.5	9.836750	22 45	5 28
25	22 49 32.26	1 0.59	6 59 2.3	9 3.1	9.844206	22 41	5 27
26	22 50 32.85	+1 19.64	7 8 5.4	− 6 37.8	9.851827	22 38	5 26
27	22 51 52.49	1 37.68	−7 14 43.2	4 15.3	9.859562	22 36	5 26
28	22 53 30.17	1 54.71	7 18 58.5	− 1 56.2	9.867370	22 33	5 25
29	22 55 24.88	2 10.75	7 20 54.7	+ 0 19.3	9.875215	22 31	5 25
30	22 57 35.63	2 25.83	7 20 35.4	2 30.9	9.883067	22 30	5 25
31	23 0 1.46	+2 39.97	7 18 4.5	+ 4 38.3	9.890899	22 28	5 25
April 1	23 2 41.43	2 53.24	−7 13 26.2	6 41.9	9.898691	22 27	5 26
2	23 5 34.67	3 5.67	7 6 44.3	8 41.5	9.906428	22 26	5 26
3	23 8 40.34	3 17.34	6 58 2.8	10 37.2	9.914093	22 25	5 27
4	23 11 57.68	3 28.29	6 47 25.6	12 29.1	9.921678	22 24	5 28
5	23 15 25.97	+3 38.58	6 34 56.5	+14 17.3	9.929173	22 24	5 29
6	23 19 4.55	3 48.27	−6 20 39.2	16 2.1	9.936572	22 24	5 30
7	23 22 52.82	3 57.42	6 4 37.1	17 43.7	9.943870	22 23	5 32
8	23 26 50.24	4 6.07	5 46 53.4	19 22.1	9.951062	22 23	5 33
9	23 30 56.31	4 14.27	5 27 31.3	20 57.4	9.958147	22 24	5 35
10	23 35 10.58	+4 22.07	5 6 33.9	+22 29.8	9.965123	22 24	5 37
11	23 39 32.65	4 29.52	−4 44 4.1	23 59.4	9.971988	22 24	5 39
12	23 44 2.17	4 36.67	4 20 4.7	25 26.4	9.978741	22 25	5 41
13	23 48 38.84	4 43.54	3 54 38.3	26 50.8	9.985382	22 25	5 43
14	23 53 22.38	4 50.18	3 27 47.5	28 12.7	9.991912	22 26	5 46
15	23 58 12.56	+4 56.64	2 59 34.8	+29 32.1	9.998329	22 27	5 48
16	0 3 9.20	5 2.93	−2 30 2.7	30 49.3	0.004635	22 28	5 51
17	0 8 12.13	5 9.11	1 59 13.4	32 4.1	0.010828	22 29	5 53
18	0 13 21.24	5 15.20	1 27 9.3	33 16.7	0.016909	22 30	5 56
19	0 18 36.44	5 21.23	0 53 52.6	34 27.1	0.022877	22 32	5 59
20	0 23 57.67	+5 27.24	−0 19 25.5	+35 35.4	0.028733	22 33	6 2
21	0 29 24.91	5 33.26	+0 16 9.9	36 41.5	0.034474	22 35	6 5
22	0 34 58.17	5 39.32	0 52 51.4	37 45.3	0.040099	22 36	6 8
23	0 40 37.49	5 45.45	1 30 36.7	38 46.9	0.045606	22 38	6 12
24	0 46 22.94	5 51.66	2 9 23.6	39 46.3	0.050994	22 40	6 15
25	0 52 14.60		2 49 9.9		0.056258	22 42	6 18

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tagbogen
	h m s	m s	° ′ ″	′ ″		h m	h m
April 24	0 46 22.94	+5 51.66	+ 2 9 23.6	+39 46.3	0.050994	22 40	6 15
25	0 52 14.60	5 57.98	2 49 9.9	40 43.3	0.056258	22 42	6 18
26	0 58 12.58	6 4.46	3 29 53.2	41 37.9	0.061395	22 44	6 22
27	1 4 17.04	6 11.11	4 11 31.1	42 29.8	0.066400	22 46	6 26
28	1 10 28.15	+6 17.94	4 54 0.9	+43 19.0	0.071267	22 48	6 29
29	1 16 46.09	6 24.97	+ 5 37 19.9	44 5.2	0.075990	22 51	6 33
30	1 23 11.06	6 32.24	6 21 25.1	44 48.2	0.080561	22 53	6 37
Mai 1	1 29 43.30	6 39.74	7 6 13.3	45 27.7	0.084971	22 55	6 41
2	1 36 23.04	6 47.49	7 51 41.0	46 3.2	0.089211	22 58	6 45
3	1 43 10.53	+6 55.49	8 37 44.2	+46 34.5	0.093268	23 1	6 49
4	1 50 6.02	7 3.74	+ 9 24 18.7	47 1.1	0.097130	23 4	6 54
5	1 57 9.76	7 12.23	10 11 19.8	47 22.4	0.100782	23 7	6 58
6	2 4 21.99	7 20.95	10 58 42.2	47 37.8	0.104209	23 11	7 2
7	2 11 42.94	7 29.86	11 46 20.0	47 46.6	0.107393	23 14	7 7
8	2 19 12.80	+7 38.91	12 34 6.6	+47 48.2	0.110317	23 17	7 11
9	2 26 51.71	7 48.05	+13 21 54.8	47 41.9	0.112959	23 21	7 16
10	2 34 39.76	7 57.23	14 9 36.7	47 26.5	0.115298	23 25	7 21
11	2 42 36.99	8 6.34	14 57 3.2	47 1.4	0.117312	23 29	7 26
12	2 50 43.33	8 15.28	15 44 4.6	46 26.0	0.118978	23 33	7 30
13	2 58 58.61	+8 23.93	16 30 30.6	+45 39.5	0.120274	23 38	7 35
14	3 7 22.54	8 32.15	+17 16 10.1	44 41.1	0.121177	23 42	7 40
15	3 15 54.69	8 39.82	18 0 51.2	43 30.5	0.121665	23 47	7 45
16	3 24 34.51	8 46.75	18 44 21.7	42 7.5	0.121719	23 51	7 49
17	3 33 21.26	8 52.83	19 26 29.2	40 32.1	0.121321	23 56	7 54
18	3 42 14.09	+8 57.90	20 7 1.3	+38 44.6	0.120458	0 1	7 59
19	3 51 11.99	9 1.85	+20 45 45.9	36 45.6	0.119119	0 6	8 3
20	4 0 13.84	9 4.55	21 22 31.5	34 36.1	0.117298	0 11	8 7
21	4 9 18.39	9 5.96	21 57 7.6	32 17.2	0.114995	0 16	8 11
22	4 18 24.35	9 6.00	22 29 24.8	29 50.5	0.112213	0 21	8 15
23	4 27 30.35	+9 4.66	22 59 15.3	+27 17.2	0.108960	0 27	8 19
24	4 36 35.01	9 1.97	+23 26 32.5	24 39.5	0.105249	0 32	8 23
25	4 45 36.98	8 57.97	23 51 12.0	21 58.9	0.101095	0 37	8 26
26	4 54 34.95	8 52.71	24 13 10.9	19 17.0	0.096518	0 42	8 29
27	5 3 27.66	8 46.29	24 32 27.9	16 35.3	0.091540	0 47	8 31
28	5 12 13.95	+8 38.81	24 49 3.2	+13 55.4	0.086183	0 52	8 33
29	5 20 52.76	8 30.35	+25 2 58.6	11 18.3	0.080472	0 56	8 35
30	5 29 23.11	8 21.02	25 14 16.9	8 45.2	0.074432	1 1	8 37
31	5 37 44.13	8 10.92	25 23 2.1	6 17.0	0.068088	1 5	8 38
Juni 1	5 45 55.05	8 0.15	25 29 19.1	3 54.3	0.061462	1 10	8 39
2	5 53 55.20		25 33 13.4		0.054578	1 14	8 39

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Juni 1	5 45 55.05	+8 0.15	+25 29 19.1	+3 54.3	0.061462	1 10	8 39
2	5 53 55.20	7 48.79	25 33 13.4	+1 37.6	0.054578	1 14	8 39
3	6 1 43.99	7 36.93	25 34 51.0	−0 32.5	0.047457	1 17	8 40
4	6 9 20.92	7 24.63	25 34 18.5	2 36.0	0.040119	1 21	8 40
5	6 16 45.55	+7 11.93	25 31 42.5	−4 32.6	0.032584	1 25	8 39
6	6 23 57.48	6 58.92	+25 27 9.9	6 22.2	0.024870	1 28	8 39
7	6 30 56.40	6 45.61	25 20 47.7	8 4.8	0.016992	1 31	8 38
8	6 37 42.01	6 32.03	25 12 42.9	9 40.5	0.008966	1 34	8 37
9	6 44 14.04	6 18.22	25 3 2.4	11 9.1	0.000806	1 36	8 35
10	6 50 32.26	+6 4.20	24 51 53.3	−12 30.9	9.992524	1 39	8 34
11	6 56 36.46	5 49.96	+24 39 22.4	13 46.0	9.984133	1 41	8 32
12	7 2 26.42	5 35.53	24 25 36.4	14 54.4	9.975645	1 43	8 30
13	7 8 1.95	5 20.88	24 10 42.0	15 56.2	9.967070	1 44	8 28
14	7 13 22.83	5 6.03	23 54 45.8	16 51.4	9.958418	1 46	8 26
15	7 18 28.86	+4 50.95	23 37 54.4	−17 40.2	9.949701	1 47	8 24
16	7 23 19.81	4 35.65	+23 20 14.2	18 22.8	9.940929	1 48	8 22
17	7 27 55.46	4 20.10	23 1 51.4	18 59.0	9.932113	1 48	8 19
18	7 32 15.56	4 4.30	22 42 52.4	19 29.0	9.923264	1 49	8 17
19	7 36 19.86	3 48.22	22 23 23.4	19 52.7	9.914393	1 49	8 15
20	7 40 8.08	+3 31.87	22 3 30.7	−20 10.3	9.905514	1 49	8 12
21	7 43 39.95	3 15.20	+21 43 20.4	20 21.6	9.896639	1 48	8 10
22	7 46 55.15	2 58.22	21 22 58.8	20 26.8	9.887784	1 48	8 7
23	7 49 53.37	2 40.92	21 2 32.0	20 25.8	9.878966	1 47	8 5
24	7 52 34.29	2 23.29	20 42 6.2	20 18.5	9.870203	1 46	8 3
25	7 54 57.58	+2 5.33	20 21 47.7	−20 4.9	9.861515	1 44	8 0
26	7 57 2.91	1 47.06	+20 1 42.8	19 45.1	9.852925	1 42	7 58
27	7 58 49.97	1 28.48	19 41 57.7	19 18.8	9.844458	1 40	7 56
28	8 0 18.45	1 9.65	19 22 38.9	18 46.3	9.836142	1 38	7 54
29	8 1 28.10	0 50.60	19 3 52.6	18 7.5	9.828009	1 35	7 51
30	8 2 18.70	+0 31.39	18 45 45.1	−17 22.4	9.820094	1 32	7 49
Juli 1	8 2 50.09	+0 12.12	+18 28 22.7	16 31.1	9.812434	1 28	7 48
2	8 3 2.21	−0 7.11	18 11 51.6	15 33.7	9.805070	1 24	7 46
3	8 2 55.10	0 26.17	17 56 17.9	14 30.5	9.798048	1 20	7 44
4	8 2 28.93	0 44.90	17 41 47.4	13 21.7	9.791416	1 16	7 43
5	8 1 44.03	−1 3.14	17 28 25.7	−12 7.6	9.785224	1 11	7 41
6	8 0 40.89	1 20.66	+17 16 18.1	10 48.8	9.779526	1 6	7 40
7	7 59 20.23	1 37.24	17 5 29.3	9 25.8	9.774376	1 1	7 39
8	7 57 42.99	1 52.65	16 56 3.5	7 59.0	9.769832	0 55	7 38
9	7 55 50.34	2 6.63	16 48 4.5	6 29.3	9.765948	0 50	7 37
10	7 53 43.71		16 41 35.2		9.762778	0 44	7 36

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Juli	9	7 55 50.34	−2 6.63	+16 48 4.5	−6 29.3	9.765948	0 50	7 37
	10	7 53 43.71	2 18.93	16 41 35.2	4 57.5	9.762778	0 44	7 36
	11	7 51 24.78	2 29.28	16 36 37.7	3 24.3	9.760374	0 37	7 36
	12	7 48 55.50	2 37.44	16 33 13.4	1 50.9	9.758783	0 31	7 35
	13	7 46 18.06	−2 43.21	16 31 22.5	−0 18.0	9.758046	0 24	7 35
	14	7 43 34.85	2 46.41	+16 31 4.5	+1 13.2	9.758198	0 18	7 35
	15	7 40 48.44	2 46.89	16 32 17.7	2 42.0	9.759264	0 11	7 35
	16	7 38 1.55	2 44.59	16 34 59.7	4 7.2	9.761260	0 4	7 36
	17	7 35 16.96	2 39.46	16 39 6.9	5 28.1	9.764192	23 58	7 36
	18	7 32 37.50	−2 31.52	16 44 35.0	+6 43.9	9.768054	23 51	7 37
	19	7 30 5.98	2 20.88	+16 51 18.9	7 53.6	9.772832	23 44	7 37
	20	7 27 45.10	2 7.69	16 59 12.5	8 56.8	9.778500	23 38	7 38
	21	7 25 37.41	1 52.09	17 8 9.3	9 52.9	9.785023	23 32	7 39
	22	7 23 45.32	1 34.30	17 18 2.2	10 41.3	9.792357	23 26	7 40
	23	7 22 11.02	1 14.57	17 28 43.5	+11 21.7	9.800451	23 21	7 41
	24	7 20 56.45	0 53.14	+17 40 5.2	11 53.8	9.809251	23 16	7 42
	25	7 20 3.31	0 30.25	17 51 59.0	12 17.2	9.818696	23 11	7 44
	26	7 19 33.06	−0 6.15	18 4 16.2	12 31.4	9.828721	23 6	7 45
	27	7 19 26.91	+0 18.93	18 16 47.6	12 36.4	9.839262	23 2	7 46
	28	7 19 45.84	+0 44.78	18 29 24.0	+12 31.7	9.850254	22 59	7 48
	29	7 20 30.62	1 11.18	+18 41 55.7	12 17.3	9.861631	22 55	7 49
	30	7 21 41.80	1 37.95	18 54 13.0	11 52.7	9.873328	22 53	7 50
	31	7 23 19.75	2 4.90	19 6 5.7	11 17.8	9.885281	22 50	7 52
Aug.	1	7 25 24.65	2 31.89	19 17 23.5	10 32.2	9.897428	22 49	7 53
	2	7 27 56.54	+2 58.76	19 27 55.7	+9 35.9	9.909708	22 47	7 54
	3	7 30 55.30	3 25.37	+19 37 31.6	8 28.5	9.922063	22 46	7 55
	4	7 34 20.67	3 51.56	19 46 0.1	7 10.0	9.934436	22 46	7 56
	5	7 38 12.23	4 17.20	19 53 10.1	5 40.4	9.946770	22 46	7 57
	6	7 42 29.43	4 42.14	19 58 50.5	3 59.6	9.959012	22 46	7 58
	7	7 47 11.57	+5 6.23	20 2 50.1	+2 7.9	9.971109	22 47	7 58
	8	7 52 17.80	5 29.28	+20 4 58.0	+0 5.9	9.983011	22 48	7 58
	9	7 57 47.08	5 51.14	20 5 3.9	−2 5.9	9.994667	22 49	7 58
	10	8 3 38.22	6 11.66	20 2 58.0	4 26.7	0.006030	22 51	7 58
	11	8 9 49.88	6 30.65	19 58 31.3	6 55.4	0.017055	22 54	7 58
	12	8 16 20.53	+6 47.97	19 51 35.9	−9 30.4	0.027700	22 56	7 57
	13	8 23 8.50	7 3.48	+19 42 5.5	12 10.2	0.037926	22 59	7 56
	14	8 30 11.98	7 17.05	19 29 55.3	14 53.0	0.047699	23 2	7 54
	15	8 37 29.03	7 28.62	19 15 2.3	17 37.0	0.056988	23 5	7 53
	16	8 44 57.65	7 38.16	18 57 25.3	20 20.0	0.065769	23 9	7 51
	17	8 52 35.81		18 37 5.3		0.074025	23 13	7 49

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Aug. 16	8 44 57.65	+7 38.16	+18 57 25.3	−20 20.0	0.065769	23 9	7 51
17	8 52 35.81	7 45.66	18 37 5.3	23 0.0	0.074025	23 13	7 49
18	9 0 21.47	7 51.16	18 14 5.3	25 35.4	0.081742	23 16	7 46
19	9 8 12.63	7 54.79	17 48 29.9	28 4.3	0.088914	23 20	7 43
20	9 16 7.42	+7 56.64	17 20 25.6	−30 25.4	0.095542	23 24	7 40
21	9 24 4.06	7 56.88	+16 50 0.2	32 37.7	0.101630	23 28	7 37
22	9 32 0.94	7 55.69	16 17 22.5	34 40.1	0.107189	23 32	7 34
23	9 39 56.63	7 53.26	15 42 42.4	36 32.3	0.112233	23 36	7 30
24	9 47 49.89	7 49.76	15 6 10.1	38 14.0	0.116781	23 40	7 26
25	9 55 39.65	+7 45.40	14 27 56.1	−39 45.4	0.120853	23 44	7 23
26	10 3 25.05	7 40.36	+13 48 10.7	41 6.4	0.124472	23 48	7 19
27	10 11 5.41	7 34.75	13 7 4.3	42 17.6	0.127660	23 52	7 15
28	10 18 40.16	7 28.76	12 24 46.7	43 19.5	0.130442	23 55	7 10
29	10 26 8.92	7 22.51	11 41 27.2	44 12.5	0.132841	23 59	7 6
30	10 33 31.43	+7 16.10	10 57 14.7	−44 57.4	0.134880	0 2	7 2
31	10 40 47.53	7 9.60	+10 12 17.3	45 34.7	0.136581	0 6	6 58
Sept. 1	10 47 57.13	7 3.12	9 26 42.6	46 4.9	0.137965	0 9	6 54
2	10 55 0.25	6 56.71	8 40 37.7	46 28.8	0.139052	0 12	6 50
3	11 1 56.96	6 50.40	7 54 8.9	46 46.8	0.139859	0 15	6 45
4	11 8 47.36	+6 44.25	7 7 22.1	−46 59.6	0.140404	0 18	6 41
5	11 15 31.61	6 38.28	+6 20 22.5	47 7.6	0.140702	0 21	6 37
6	11 22 9.89	6 32.50	5 33 14.9	47 11.2	0.140766	0 23	6 33
7	11 28 42.39	6 26.95	4 46 3.7	47 10.8	0.140610	0 26	6 29
8	11 35 9.34	6 21.61	3 58 52.9	47 6.9	0.140244	0 28	6 24
9	11 41 30.95	+6 16.50	3 11 46.0	−46 59.6	0.139679	0 31	6 20
10	11 47 47.45	6 11.61	+2 24 46.4	46 49.3	0.138923	0 33	6 16
11	11 53 59.06	6 6.96	1 37 57.1	46 36.4	0.137985	0 35	6 12
12	12 0 6.02	6 2.53	0 51 20.7	46 20.9	0.136871	0 38	6 8
13	12 6 8.55	5 58.30	+0 4 59.8	46 3.1	0.135586	0 40	6 4
14	12 12 6.85	+5 54.29	−0 41 3.3	−45 43.1	0.134136	0 42	6 0
15	12 18 1.14	5 50.47	−1 26 46.4	45 21.1	0.132524	0 44	5 56
16	12 23 51.61	5 46.84	2 12 7.5	44 57.3	0.130754	0 46	5 52
17	12 29 38.45	5 43.38	2 57 4.8	44 31.7	0.128828	0 47	5 48
18	12 35 21.83	5 40.09	3 41 36.5	44 4.4	0.126748	0 49	5 44
19	12 41 1.92	+5 36.94	4 25 40.9	−43 35.5	0.124515	0 51	5 41
20	12 46 38.86	5 33.92	−5 9 16.4	43 4.9	0.122130	0 53	5 37
21	12 52 12.78	5 31.02	5 52 21.3	42 32.9	0.119593	0 54	5 33
22	12 57 43.80	5 28.23	6 34 54.2	41 59.4	0.116903	0 56	5 29
23	13 3 12.03	5 25.52	7 16 53.6	41 24.4	0.114058	0 57	5 25
24	13 8 37.55		7 58 18.0		0.111058	0 59	5 22

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Sept. 23	13 3 12.03	+5 25.52	− 7 16 53.6	− 41 24.4	0.114058	0 57	5 25
24	13 8 37.55	5 22.89	7 58 18.0	40 48.0	0.111058	0 59	5 22
25	13 14 0.44	5 20.31	8 39 6.0	40 10.1	0.107901	1 0	5 18
26	13 19 20.75	5 17.75	9 19 16.1	39 30.6	0.104583	1 2	5 14
27	13 24 38.50	+5 15.22	9 58 46.7	−38 49.8	0.101103	1 3	5 11
28	13 29 53.72	5 12.68	−10 37 36.5	38 7.4	0.097456	1 4	5 7
29	13 35 6.40	5 10.10	11 15 43.9	37 23.5	0.093638	1 6	5 4
30	13 40 16.50	5 7.47	11 53 7.4	36 37.9	0.089646	1 7	5 0
Okt. 1	13 45 23.97	5 4.74	12 29 45.3	35 50.6	0.085475	1 8	4 57
2	13 50 28.71	+5 1.91	13 5 35.9	−35 1.5	0.081119	1 9	4 53
3	13 55 30.62	4 58.91	−13 40 37.4	34 10.7	0.076573	1 10	4 50
4	14 0 29.53	4 55.72	14 14 48.1	33 17.7	0.071830	1 11	4 47
5	14 5 25.25	4 52.31	14 48 5.8	32 22.7	0.066884	1 12	4 43
6	14 10 17.56	4 48.61	15 20 28.5	31 25.4	0.061729	1 13	4 40
7	14 15 6.17	+4 44.59	15 51 53.9	−30 25.8	0.056357	1 14	4 37
8	14 19 50.76	4 40.17	−16 22 19.7	29 23.4	0.050760	1 15	4 34
9	14 24 30.93	4 35.29	16 51 43.1	28 18.3	0.044932	1 16	4 31
10	14 29 6.22	4 29.90	17 20 1.4	27 10.1	0.038863	1 16	4 28
11	14 33 36.12	4 23.90	17 47 11.5	25 58.5	0.032547	1 17	4 25
12	14 38 0.02	+4 17.21	18 13 10.0	−24 43.4	0.025975	1 17	4 23
13	14 42 17.23	4 9.73	−18 37 53.4	23 24.2	0.019140	1 18	4 20
14	14 46 26.96	4 1.35	19 1 17.6	22 0.6	0.012035	1 18	4 17
15	14 50 28.31	3 51.95	19 23 18.2	20 32.1	0.004653	1 18	4 15
16	14 54 20.26	3 41.40	19 43 50.3	18 58.3	9.996988	1 18	4 13
17	14 58 1.66	+3 29.56	20 2 48.6	−17 18.5	9.989038	1 18	4 11
18	15 1 31.22	3 16.28	−20 20 7.1	15 32.0	9.980800	1 17	4 9
19	15 4 47.50	3 1.38	20 35 39.1	13 38.1	9.972276	1 16	4 7
20	15 7 48.88	2 44.71	20 49 17.2	11 35.7	9.963471	1 16	4 6
21	15 10 33.59	2 26.11	21 0 52.9	9 24.5	9.954396	1 14	4 4
22	15 12 59.70	+2 5.39	21 10 17.4	− 7 2.7	9.945067	1 13	4 3
23	15 15 5.09	1 42.42	−21 17 20.1	4 29.5	9.935508	1 11	4 2
24	15 16 47.51	1 17.10	21 21 49.6	− 1 44.0	9.925753	1 9	4 2
25	15 18 4.61	0 49.35	21 23 33.6	+ 1 15.1	9.915850	1 6	4 2
26	15 18 53.96	+0 19.23	21 22 18.5	4 28.6	9.905862	1 3	4 2
27	15 19 13.19	−0 13.16	21 17 49.9	+ 7 56.9	9.895867	0 59	4 2
28	15 19 0.03	0 47.53	−21 9 53.0	11 39.9	9.885964	0 55	4 3
29	15 18 12.50	1 23.37	20 58 13.1	15 36.7	9.876277	0 50	4 5
30	15 16 49.13	1 59.98	20 42 36.4	19 44.5	9.866955	0 45	4 6
31	15 14 49.15	2 36.40	20 22 51.9	23 59.0	9.858170	0 39	4 9
Nov. 1	15 12 12.75		19 58 52.9		9.850120	0 33	4 11

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Okt. 31	15 14 49.15	−2 36.40	−20 22 51.9	+23 59.0	9.858170	0 39	4 9
Nov. 1	15 12 12.75	3 11.37	19 58 52.9	28 13.8	9.850120	0 33	4 11
2	15 9 1.38	3 43.41	19 30 39.1	32 19.5	9.843021	0 26	4 14
3	15 5 17.97	4 10.92	18 58 19.6	36 4.6	9.837100	0 18	4 18
4	15 1 7.05	−4 32.26	18 22 15.0	+39 16.0	9.832582	0 10	4 22
5	14 56 34.79	4 45.92	−17 42 59.0	41 39.4	9.829676	0 1	4 26
6	14 51 48.87	4 50.80	17 1 19.6	43 2.2	9.828554	23 53	4 30
7	14 46 58.07	4 46.30	16 18 17.4	43 14.8	9.829332	23 44	4 34
8	14 42 11.77	4 32.43	15 35 2.6	42 12.0	9.832060	23 35	4 39
9	14 37 39.34	−4 9.87	14 52 50.6	+39 55.2	9.836712	23 27	4 43
10	14 33 29.47	3 39.84	−14 12 55.4	36 30.9	9.843183	23 18	4 47
11	14 29 49.63	3 3.94	13 36 24.5	32 10.7	9.851303	23 11	4 50
12	14 26 45.69	2 23.97	13 4 13.8	27 8.9	9.860851	23 4	4 53
13	14 24 21.72	1 41.69	12 37 4.9	21 41.3	9.871574	22 57	4 56
14	14 22 40.03	−0 58.71	12 15 23.6	+16 2.9	9.883206	22 52	4 58
15	14 21 41.32	−0 16.37	−11 59 20.7	10 26.7	9.895488	22 47	5 0
16	14 21 24.95	+0 24.28	11 48 54.0	+5 3.0	9.908179	22 43	5 1
17	14 21 49.23	1 2.53	11 43 51.0	−0 0.6	9.921064	22 39	5 1
18	14 22 51.76	1 37.95	11 43 51.6	4 38.9	9.933962	22 36	5 1
19	14 24 29.71	+2 10.30	11 48 30.5	−8 49.2	9.946724	22 34	5 1
20	14 26 40.01	2 39.51	−11 57 19.7	12 30.7	9.959232	22 32	5 0
21	14 29 19.52	3 5.70	12 9 50.4	15 43.3	9.971396	22 31	4 59
22	14 32 25.22	3 29.03	12 25 33.7	18 28.4	9.983151	22 30	4 57
23	14 35 54.25	3 49.72	12 44 2.1	20 47.9	9.994454	22 30	4 56
24	14 39 43.97	+4 8.00	13 4 50.0	−22 43.8	0.005277	22 29	4 53
25	14 43 51.97	4 24.14	−13 27 33.8	24 18.1	0.015604	22 30	4 51
26	14 48 16.11	4 38.38	13 51 51.9	25 33.0	0.025433	22 30	4 49
27	14 52 54.49	4 50.95	14 17 24.9	26 30.7	0.034768	22 31	4 46
28	14 57 45.44	5 2.06	14 43 55.6	27 13.3	0.043617	22 32	4 44
29	15 2 47.50	+5 11.91	15 11 8.9	−27 42.4	0.051993	22 33	4 41
30	15 7 59.41	5 20.68	−15 38 51.3	27 59.5	0.059913	22 34	4 38
Dez. 1	15 13 20.09	5 28.50	16 6 50.8	28 6.2	0.067394	22 35	4 36
2	15 18 48.59	5 35.51	16 34 57.0	28 3.8	0.074455	22 37	4 33
3	15 24 24.10	5 41.84	17 3 0.8	27 53.2	0.081114	22 39	4 29
4	15 30 5.94	+5 47.59	17 30 54.0	−27 35.5	0.087391	22 40	4 27
5	15 35 53.53	5 52.82	−17 58 29.5	27 11.5	0.093303	22 42	4 24
6	15 41 46.35	5 57.62	18 25 41.0	26 42.0	0.098867	22 44	4 21
7	15 47 43.97	6 2.05	18 52 23.0	26 7.5	0.104101	22 46	4 18
8	15 53 46.02	6 6.17	19 18 30.5	25 28.5	0.109019	22 48	4 16
9	15 59 52.19		19 43 59.0		0.113638	22 50	4 13

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Dez. 8	15 53 46.02	+6 6.17	−19 18 30.5	−25 28.5	0.109019	22 48	4 16
9	15 59 52.19	6 10.02	19 43 59.0	24 45.7	0.113638	22 50	4 13
10	16 6 2.21	6 13.63	20 8 44.7	23 59.1	0.117971	22 53	4 10
11	16 12 15.84	6 17.04	20 32 43.8	23 9.4	0.122031	22 55	4 7
12	16 18 32.88	+6 20.27	20 55 53.2	−22 16.8	0.125829	22 57	4 5
13	16 24 53.15	6 23.35	−21 18 10.0	21 21.5	0.129377	23 0	4 2
14	16 31 16.50	6 26.29	21 39 31.5	20 23.7	0.132686	23 2	4 0
15	16 37 42.79	6 29.09	21 59 55.2	19 23.5	0.135764	23 5	3 58
16	16 44 11.88	6 31.79	22 19 18.7	18 21.3	0.138621	23 7	3 55
17	16 50 43.67	+6 34.39	22 37 40.0	−17 17.1	0.141264	23 10	3 53
18	16 57 18.06	6 36.89	−22 54 57.1	16 10.9	0.143701	23 12	3 51
19	17 3 54.95	6 39.30	23 11 8.0	15 3.1	0.145937	23 15	3 49
20	17 10 34.25	6 41.62	23 26 11.1	13 53.5	0.147980	23 18	3 47
21	17 17 15.87	6 43.86	23 40 4.6	12 42.4	0.149834	23 21	3 46
22	17 23 59.73	+6 46.02	23 52 47.0	−11 29.7	0.151503	23 23	3 44
23	17 30 45.75	6 48.11	−24 4 16.7	10 15.5	0.152992	23 26	3 42
24	17 37 33.86	6 50.10	24 14 32.2	8 59.9	0.154305	23 29	3 41
25	17 44 23.96	6 52.02	24 23 32.1	7 43.0	0.155444	23 32	3 40
26	17 51 15.98	6 53.86	24 31 15.1	6 24.7	0.156412	23 35	3 39
27	17 58 9.84	+6 55.60	24 37 39.8	−5 5.1	0.157210	23 38	3 38
28	18 5 5.44	6 57.26	−24 42 44.9	3 44.2	0.157840	23 41	3 38
29	18 12 2.70	6 58.83	24 46 29.1	2 22.1	0.158303	23 44	3 37
30	18 19 1.53	7 0.30	24 48 51.2	−0 58.8	0.158598	23 47	3 37
31	18 26 1.83	7 1.68	24 49 50.0	+0 25.6	0.158726	23 50	3 37
32	18 33 3.51	+7 2.94	24 49 24.4	+1 51.1	0.158685	23 53	3 37
33	18 40 6.45		−24 47 33.3		0.158475	23 56	3 37

Wahrer geozentrischer Ort.

0ʰ Mittl. Zeit	AR. (h m s)	Diff. (m s)	Dekl. (° ′ ″)	Diff. (′ ″)	Log. Δ	Östl. Stunden-Winkel (h m)	Halber Tagbogen (h m)
Jan. 0	17 55 52.02	+5 29.01	−23 25 56.7	−2 37.8	0.223510	23 19	3 47
1	18 1 21.03	5 29.19	23 28 34.5	1 54.3	0.223975	23 20	3 47
2	18 6 50.22	5 29.31	23 30 28.8	1 10.7	0.224428	23 22	3 47
3	18 12 19.53	5 29.36	23 31 39.5	−0 27.0	0.224871	23 23	3 47
4	18 17 48.89	+5 29.35	23 32 6.5	+0 16.7	0.225304	23 25	3 46
5	18 23 18.24	5 29.28	−23 31 49.8	1 0.5	0.225726	23 27	3 47
6	18 28 47.52	5 29.15	23 30 49.3	1 44.2	0.226138	23 28	3 47
7	18 34 16.67	5 28.95	23 29 5.1	2 27.8	0.226539	23 29	3 47
8	18 39 45.62	5 28.70	23 26 37.3	3 11.4	0.226930	23 31	3 47
9	18 45 14.32	+5 28.38	23 23 25.9	+3 54.8	0.227311	23 33	3 48
10	18 50 42.70	5 28.01	−23 19 31.1	4 38.1	0.227682	23 34	3 48
11	18 56 10.71	5 27.58	23 14 53.0	5 21.2	0.228042	23 36	3 49
12	19 1 38.29	5 27.10	23 9 31.8	6 4.1	0.228393	23 37	3 49
13	19 7 5.39	5 26.56	23 3 27.7	6 46.7	0.228734	23 39	3 50
14	19 12 31.95	+5 25.97	22 56 41.0	+7 29.1	0.229065	23 40	3 51
15	19 17 57.92	5 25.33	−22 49 11.9	8 11.2	0.229386	23 42	3 52
16	19 23 23.25	5 24.63	22 41 0.7	8 52.8	0.229697	23 43	3 53
17	19 28 47.88	5 23.89	22 32 7.9	9 34.2	0.229998	23 45	3 54
18	19 34 11.77	5 23.10	22 22 33.7	10 15.2	0.230289	23 46	3 55
19	19 39 34.87	+5 22.26	22 12 18.5	+10 55.7	0.230570	23 48	3 56
20	19 44 57.13	5 21.39	−22 1 22.8	11 35.8	0.230840	23 49	3 57
21	19 50 18.52	5 20.46	21 49 47.0	12 15.4	0.231100	23 50	3 59
22	19 55 38.98	5 19.50	21 37 31.6	12 54.6	0.231350	23 52	4 0
23	20 0 58.48	5 18.50	21 24 37.0	13 33.2	0.231590	23 53	4 2
24	20 6 16.98	+5 17.46	21 11 3.8	+14 11.1	0.231819	23 55	4 3
25	20 11 34.44	5 16.39	−20 56 52.7	14 48.6	0.232037	23 56	4 5
26	20 16 50.83	5 15.29	20 42 4.1	15 25.4	0.232245	23 57	4 6
27	20 22 6.12	5 14.16	20 26 38.7	16 1.6	0.232443	23 59	4 8
28	20 27 20.28	5 13.00	20 10 37.1	16 37.2	0.232631	0 0	4 10
29	20 32 33.28	+5 11.83	19 53 59.9	+17 12.2	0.232808	0 1	4 12
30	20 37 45.11	5 10.64	−19 36 47.7	17 46.4	0.232975	0 2	4 14
31	20 42 55.75	5 9.43	19 19 1.3	18 20.0	0.233131	0 4	4 16
Febr. 1	20 48 5.18	5 8.21	19 0 41.3	18 52.9	0.233278	0 5	4 18
2	20 53 13.39	5 6.98	18 41 48.4	19 25.1	0.233414	0 6	4 20
3	20 58 20.37	+5 5.73	18 22 23.3	+19 56.6	0.233540	0 7	4 22
4	21 3 26.10	5 4.49	−18 2 26.7	20 27.4	0.233655	0 8	4 24
5	21 8 30.59	5 3.24	17 41 59.3	20 57.4	0.233761	0 9	4 26
6	21 13 33.83	5 1.99	17 21 1.9	21 26.8	0.233856	0 11	4 28
7	21 18 35.82	5 0.76	16 59 35.1	21 55.3	0.233942	0 12	4 30
8	21 23 36.58		16 37 39.8		0.234018	0 13	4 32

Wahrer geozentrischer Ort.

0ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Febr. 7	21 18 35.82	+5 0.76	−16 59 35.1	+21 55.3	0.233942	0 12	4 30
8	21 23 36.58	4 59.53	16 37 39.8	22 23.2	0.234018	0 13	4 32
9	21 28 36.11	4 58.30	16 15 16.6	22 50.2	0.234084	0 14	4 35
10	21 33 34.41	4 57.08	15 52 26.4	23 16.6	0.234139	0 15	4 37
11	21 38 31.49	+4 55.89	15 29 9.8	+23 42.3	0.234185	0 16	4 39
12	21 43 27.38	4 54.71	−15 5 27.5	24 7.1	0.234221	0 17	4 42
13	21 48 22.09	4 53.54	14 41 20.4	24 31.3	0.234247	0 18	4 44
14	21 53 15.63	4 52.39	14 16 49.1	24 54.7	0.234263	0 19	4 47
15	21 58 8.02	4 51.27	13 51 54.4	25 17.3	0.234268	0 20	4 49
16	22 2 59.29	+4 50.17	13 26 37.1	+25 39.2	0.234263	0 21	4 51
17	22 7 49.46	4 49.09	−13 0 57.9	26 0.2	0.234248	0 21	4 54
18	22 12 38.55	4 48.03	12 34 57.7	26 20.6	0.234223	0 22	4 56
19	22 17 26.58	4 46.99	12 8 37.1	26 40.2	0.234187	0 23	4 59
20	22 22 13.57	4 45.99	11 41 56.9	26 58.9	0.234140	0 24	5 1
21	22 26 59.56	+4 45.00	11 14 58.0	+27 16.9	0.234082	0 25	5 4
22	22 31 44.56	4 44.05	−10 47 41.1	27 34.1	0.234013	0 26	5 6
23	22 36 28.61	4 43.12	10 20 7.0	27 50.6	0.233933	0 26	5 9
24	22 41 11.73	4 42.23	9 52 16.4	28 6.2	0.233842	0 27	5 11
25	22 45 53.96	4 41.37	9 24 10.2	28 21.1	0.233739	0 28	5 14
26	22 50 35.33	+4 40.53	8 55 49.1	+28 35.1	0.233626	0 29	5 16
27	22 55 15.86	4 39.74	− 8 27 14.0	28 48.5	0.233502	0 30	5 19
28	22 59 55.60	4 38.98	7 58 25.5	29 1.1	0.233366	0 30	5 22
März 1	23 4 34.58	4 38.25	7 29 24.4	29 12.8	0.233218	0 31	5 24
2	23 9 12.83	4 37.56	7 0 11.6	29 23.8	0.233059	0 32	5 27
3	23 13 50.39	+4 36.91	6 30 47.8	+29 34.1	0.232889	0 32	5 29
4	23 18 27.30	4 36.30	− 6 1 13.7	29 43.6	0.232707	0 33	5 32
5	23 23 3.60	4 35.72	5 31 30.1	29 52.4	0.232514	0 34	5 35
6	23 27 39.32	4 35.18	5 1 37.7	30 0.4	0.232310	0 34	5 37
7	23 32 14.50	4 34.68	4 31 37.3	30 7.6	0.232094	0 35	5 40
8	23 36 49.18	+4 34.23	4 1 29.7	+30 14.2	0.231866	0 36	5 43
9	23 41 23.41	4 33.82	− 3 31 15.5	30 19.9	0.231627	0 36	5 45
10	23 45 57.23	4 33.45	3 0 55.6	30 25.0	0.231376	0 37	5 48
11	23 50 30.68	4 33.13	2 30 30.6	30 29.4	0.231114	0 37	5 51
12	23 55 3.81	4 32.85	2 0 1.2	30 33.0	0.230840	0 38	5 53
13	23 59 36.66	+4 32.61	1 29 28.2	+30 36.0	0.230555	0 39	5 56
14	0 4 9.27	4 32.42	− 0 58 52.2	30 38.2	0.230258	0 39	5 59
15	0 8 41.69	4 32.28	− 0 28 14.0	30 39.6	0.229949	0 40	6 1
16	0 13 13.97	4 32.17	+ 0 2 25.6	30 40.4	0.229629	0 40	6 4
17	0 17 46.14	4 32.12	0 33 6.0	30 40.5	0.229296	0 41	6 7
18	0 22 18.26		1 3 46.5		0.228951	0 42	6 9

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
März 17	0 17 46.14	+4 32.12	+ 0 33 6.0	+30 40.5	0.229296	0 41	6 7
18	0 22 18.26	4 32.11	1 3 46.5	30 39.8	0.228951	0 42	6 9
19	0 26 50.37	4 32.13	1 34 26.3	30 38.4	0.228593	0 42	6 12
20	0 31 22.50	4 32.21	2 5 4.7	30 36.2	0.228223	0 43	6 15
21	0 35 54.71	+4 32.32	2 35 40.9	+30 33.4	0.227840	0 43	6 17
22	0 40 27.03	4 32.47	+ 3 6 14.3	30 29.8	0.227444	0 44	6 20
23	0 44 59.50	4 32.67	3 36 44.1	30 25.4	0.227035	0 45	6 23
24	0 49 32.17	4 32.90	4 7 9.5	30 20.3	0.226613	0 45	6 25
25	0 54 5.07	4 33.19	4 37 29.8	30 14.4	0.226178	0 46	6 28
26	0 58 38.26	+4 33.51	5 7 44.2	+30 7.8	0.225729	0 46	6 31
27	1 3 11.77	4 33.86	+ 5 37 52.0	30 0.4	0.225267	0 47	6 33
28	1 7 45.63	4 34.25	6 7 52.4	29 52.3	0.224791	0 48	6 36
29	1 12 19.88	4 34.67	6 37 44.7	29 43.5	0.224301	0 48	6 38
30	1 16 54.55	4 35.14	7 7 28.2	29 33.9	0.223797	0 49	6 41
31	1 21 29.69	+4 35.65	7 37 2.1	+29 23.5	0.223279	0 50	6 44
April 1	1 26 5.34	4 36.20	+ 8 6 25.6	29 12.4	0.222747	0 50	6 46
2	1 30 41.54	4 36.77	8 35 38.0	29 0.6	0.222201	0 51	6 49
3	1 35 18.31	4 37.39	9 4 38.6	28 48.0	0.221641	0 52	6 52
4	1 39 55.70	4 38.03	9 33 26.6	28 34.6	0.221067	0 52	6 54
5	1 44 33.73	+4 38.72	10 2 1.2	+28 20.5	0.220478	0 53	6 57
6	1 49 12.45	4 39.44	+10 30 21.7	28 5.7	0.219875	0 54	7 0
7	1 53 51.89	4 40.19	10 58 27.4	27 50.1	0.219258	0 54	7 2
8	1 58 32.08	4 40.97	11 26 17.5	27 33.9	0.218626	0 55	7 5
9	2 3 13.05	4 41.79	11 53 51.4	27 16.9	0.217980	0 56	7 7
10	2 7 54.84	+4 42.63	12 21 8.3	+26 59.1	0.217320	0 57	7 10
11	2 12 37.47	4 43.51	+12 48 7.4	26 40.6	0.216645	0 57	7 13
12	2 17 20.98	4 44.42	13 14 48.0	26 21.4	0.215955	0 58	7 15
13	2 22 5.40	4 45.36	13 41 9.4	26 1.5	0.215251	0 59	7 18
14	2 26 50.76	4 46.32	14 7 10.9	25 40.8	0.214532	1 0	7 21
15	2 31 37.08	+4 47.30	14 32 51.7	+25 19.3	0.213798	1 1	7 23
16	2 36 24.38	4 48.31	+14 58 11.0	24 57.1	0.213049	1 1	7 26
17	2 41 12.69	4 49.35	15 23 8.1	24 34.1	0.212284	1 2	7 28
18	2 46 2.04	4 50.40	15 47 42.2	24 10.5	0.211504	1 3	7 31
19	2 50 52.44	4 51.45	16 11 52.7	23 46.0	0.210708	1 4	7 33
20	2 55 43.89	+4 52.53	16 35 38.7	+23 20.9	0.209896	1 5	7 36
21	3 0 36.42	4 53.62	+16 58 59.6	22 54.9	0.209068	1 6	7 38
22	3 5 30.04	4 54.71	17 21 54.5	22 28.2	0.208223	1 7	7 40
23	3 10 24.75	4 55.80	17 44 22.7	22 0.8	0.207362	1 8	7 43
24	3 15 20.55	4 56.90	18 6 23.5	21 32.6	0.206484	1 9	7 45
25	3 20 17.45		18 27 56.1		0.205590	1 10	7 48

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
April 24	3 15 20.55	+4 56.90	+18 6 23.5	+21 32.6	0.206484	1 9	7 45
25	3 20 17.45	4 58.01	18 27 56.1	21 3.7	0.205590	1 10	7 48
26	3 25 15.46	4 59.12	18 48 59.8	20 34.1	0.204679	1 11	7 50
27	3 30 14.58	5 0.22	19 9 33.9	20 3.8	0.203751	1 12	7 52
28	3 35 14.80	+5 1.30	19 29 37.7	+19 32.7	0.202806	1 13	7 54
29	3 40 16.10	5 2.39	+19 49 10.4	19 1.1	0.201843	1 14	7 57
30	3 45 18.49	5 3.46	20 8 11.5	18 28.7	0.200863	1 15	7 59
Mai 1	3 50 21.95	5 4.52	20 26 40.2	17 55.6	0.199866	1 16	8 1
2	3 55 26.47	5 5.56	20 44 35.8	17 21.9	0.198851	1 17	8 3
3	4 0 32.03	+5 6.58	21 1 57.7	+16 47.5	0.197818	1 19	8 5
4	4 5 38.61	5 7.57	+21 18 45.2	16 12.5	0.196768	1 20	8 7
5	4 10 46.18	5 8.55	21 34 57.7	15 36.9	0.195700	1 21	8 9
6	4 15 54.73	5 9.51	21 50 34.6	15 0.8	0.194615	1 22	8 11
7	4 21 4.24	5 10.43	22 5 35.4	14 24.1	0.193512	1 23	8 12
8	4 26 14.67	+5 11.32	22 19 59.5	+13 46.8	0.192391	1 25	8 14
9	4 31 25.99	5 12.19	+22 33 46.3	13 9.0	0.191252	1 26	8 16
10	4 36 38.18	5 13.02	22 46 55.3	12 30.7	0.190095	1 27	8 18
11	4 41 51.20	5 13.82	22 59 26.0	11 51.9	0.188921	1 28	8 19
12	4 47 5.02	5 14.59	23 11 17.9	11 12.7	0.187729	1 30	8 21
13	4 52 19.61	+5 15.31	23 22 30.6	+10 32.9	0.186518	1 31	8 22
14	4 57 34.92	5 15.98	+23 33 3.5	9 52.8	0.185289	1 32	8 23
15	5 2 50.90	5 16.61	23 42 56.3	9 12.2	0.184042	1 34	8 25
16	5 8 7.51	5 17.20	23 52 8.5	8 31.2	0.182776	1 35	8 26
17	5 13 24.71	5 17.73	24 0 39.7	7 49.9	0.181491	1 36	8 27
18	5 18 42.44	+5 18.21	24 8 29.6	+7 8.3	0.180187	1 38	8 28
19	5 24 0.65	5 18.63	+24 15 37.9	6 26.5	0.178864	1 39	8 29
20	5 29 19.28	5 19.00	24 22 4.4	5 44.3	0.177522	1 40	8 30
21	5 34 38.28	5 19.31	24 27 48.7	5 1.8	0.176160	1 42	8 31
22	5 39 57.59	5 19.55	24 32 50.5	4 19.1	0.174779	1 43	8 31
23	5 45 17.14	+5 19.73	24 37 9.6	+3 36.3	0.173378	1 44	8 32
24	5 50 36.87	5 19.86	+24 40 45.9	2 53.4	0.171957	1 46	8 32
25	5 55 56.73	5 19.91	24 43 39.3	2 10.3	0.170515	1 47	8 33
26	6 1 16.64	5 19.91	24 45 49.6	1 27.1	0.169053	1 49	8 33
27	6 6 36.55	5 19.83	24 47 16.7	0 43.8	0.167571	1 50	8 33
28	6 11 56.38	+5 19.68	24 48 0.5	+0 0.7	0.166069	1 51	8 33
29	6 17 16.06	5 19.47	+24 48 1.2	−0 42.5	0.164546	1 53	8 33
30	6 22 35.53	5 19.20	24 47 18.7	1 25.7	0.163002	1 54	8 33
31	6 27 54.73	5 18.85	24 45 53.0	2 8.7	0.161437	1 55	8 33
Juni 1	6 33 13.58	5 18.44	24 43 44.3	2 51.7	0.159851	1 57	8 33
2	6 38 32.02		24 40 52.6		0.158244	1 58	8 32

Wahrer geozentrischer Ort.

0ʰ Mittl. Zeit		AR. (h m s)	Diff. (m s)	Dekl. (° ′ ″)	Diff. (′ ″)	Log. Δ	Östl. Stunden-Winkel (h m)	Halber Tag-bogen (h m)
Juni	1	6 33 13.58	+5 18.44	+24 43 44.3	−2 51.7	0.159851	1 57	8 33
	2	6 38 32.02	5 17.97	24 40 52.6	3 34.4	0.158244	1 58	8 32
	3	6 43 49.99	5 17.43	24 37 18.2	4 17.0	0.156616	2 0	8 32
	4	6 49 7.42	5 16.84	24 33 1.2	4 59.3	0.154967	2 1	8 31
	5	6 54 24.26	+5 16.18	24 28 1.9	−5 41.4	0.153297	2 2	8 31
	6	6 59 40.44	5 15.47	+24 22 20.5	6 23.3	0.151606	2 4	8 30
	7	7 4 55.91	5 14.70	24 15 57.2	7 4.8	0.149894	2 5	8 29
	8	7 10 10.61	5 13.89	24 8 52.4	7 46.0	0.148161	2 6	8 28
	9	7 15 24.50	5 13.02	24 1 6.4	8 26.9	0.146407	2 8	8 27
	10	7 20 37.52	+5 12.10	23 52 39.5	−9 7.4	0.144632	2 9	8 26
	11	7 25 49.62	5 11.14	+23 43 32.1	9 47.5	0.142836	2 10	8 25
	12	7 31 0.76	5 10.13	23 33 44.6	10 27.2	0.141018	2 11	8 23
	13	7 36 10.89	5 9.09	23 23 17.4	11 6.5	0.139178	2 13	8 22
	14	7 41 19.98	5 7.99	23 12 10.9	11 45.2	0.137317	2 14	8 21
	15	7 46 27.97	+5 6.86	23 0 25.7	−12 23.5	0.135434	2 15	8 19
	16	7 51 34.83	5 5.69	+22 48 2.2	13 1.3	0.133529	2 16	8 18
	17	7 56 40.52	5 4.49	22 35 0.9	13 38.6	0.131601	2 17	8 16
	18	8 1 45.01	5 3.25	22 21 22.3	14 15.4	0.129651	2 18	8 14
	19	8 6 48.26	5 1.98	22 7 6.9	14 51.5	0.127679	2 19	8 13
	20	8 11 50.24	+5 0.69	21 52 15.4	−15 27.1	0.125684	2 21	8 11
	21	8 16 50.93	4 59.36	+21 36 48.3	16 2.0	0.123665	2 22	8 9
	22	8 21 50.29	4 58.01	21 20 46.3	16 36.4	0.121623	2 23	8 7
	23	8 26 48.30	4 56.65	21 4 9.9	17 10.0	0.119558	2 24	8 5
	24	8 31 44.95	4 55.25	20 46 59.9	17 43.1	0.117469	2 25	8 3
	25	8 36 40.20	+4 53.83	20 29 16.8	−18 15.5	0.115357	2 26	8 1
	26	8 41 34.03	4 52.40	+20 11 1.3	18 47.2	0.113221	2 27	7 59
	27	8 46 26.43	4 50.96	19 52 14.1	19 18.2	0.111061	2 28	7 57
	28	8 51 17.39	4 49.50	19 32 55.9	19 48.6	0.108876	2 28	7 55
	29	8 56 6.89	4 48.04	19 13 7.3	20 18.2	0.106667	2 29	7 52
	30	9 0 54.93	+4 46.56	18 52 49.1	−20 47.1	0.104433	2 30	7 50
Juli	1	9 5 41.49	4 45.09	+18 32 2.0	21 15.4	0.102175	2 31	7 48
	2	9 10 26.58	4 43.61	18 10 46.6	21 42.9	0.099892	2 32	7 46
	3	9 15 10.19	4 42.14	17 49 3.7	22 9.6	0.097585	2 33	7 43
	4	9 19 52.33	4 40.66	17 26 54.1	22 35.6	0.095253	2 33	7 41
	5	9 24 32.99	+4 39.19	17 4 18.5	−23 1.0	0.092897	2 34	7 39
	6	9 29 12.18	4 37.74	+16 41 17.5	23 25.6	0.090516	2 35	7 36
	7	9 33 49.92	4 36.29	16 17 51.9	23 49.6	0.088110	2 36	7 34
	8	9 38 26.21	4 34.86	15 54 2.3	24 12.8	0.085679	2 36	7 31
	9	9 43 1.07	4 33.45	15 29 49.5	24 35.3	0.083223	2 37	7 29
	10	9 47 34.52		15 5 14.2		0.080742	2 37	7 26

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Juli 9	9 43 1.07	+4 33.45	+15 29 49.5	−24 35.3	0.083223	2 37	7 29
10	9 47 34.52	4 32.05	15 5 14.2	24 57.2	0.080742	2 37	7 26
11	9 52 6.57	4 30.66	14 40 17.0	25 18.3	0.078236	2 38	7 24
12	9 56 37.23	4 29.30	14 14 58.7	25 38.8	0.075705	2 39	7 21
13	10 1 6.53	+4 27.97	13 49 19.9	−25 58.5	0.073148	2 39	7 19
14	10 5 34.50	4 26.65	+13 23 21.4	26 17.6	0.070565	2 40	7 16
15	10 10 1.15	4 25.35	12 57 3.8	26 35.9	0.067956	2 40	7 14
16	10 14 26.50	4 24.07	12 30 27.9	26 53.6	0.065321	2 41	7 11
17	10 18 50.57	4 22.82	12 3 34.3	27 10.6	0.062659	2 41	7 8
18	10 23 13.39	+4 21.59	11 36 23.7	−27 27.0	0.059971	2 42	7 6
19	10 27 34.98	4 20.38	+11 8 56.7	27 42.5	0.057255	2 42	7 3
20	10 31 55.36	4 19.20	10 41 14.2	27 57.4	0.054512	2 42	7 1
21	10 36 14.56	4 18.05	10 13 16.8	28 11.6	0.051742	2 43	6 58
22	10 40 32.61	4 16.92	9 45 5.2	28 25.1	0.048943	2 43	6 55
23	10 44 49.53	+4 15.81	9 16 40.1	−28 38.0	0.046116	2 43	6 53
24	10 49 5.34	4 14.73	+ 8 48 2.1	28 50.1	0.043261	2 44	6 50
25	10 53 20.07	4 13.67	8 19 12.0	29 1.4	0.040377	2 44	6 48
26	10 57 33.74	4 12.63	7 50 10.6	29 12.2	0.037463	2 44	6 45
27	11 1 46.37	4 11.63	7 20 58.4	29 22.1	0.034520	2 45	6 42
28	11 5 58.00	+4 10.64	6 51 36.3	−29 31.4	0.031547	2 45	6 40
29	11 10 8.64	4 9.68	+ 6 22 4.9	29 40.0	0.028545	2 45	6 37
30	11 14 18.32	4 8.74	5 52 24.9	29 48.0	0.025512	2 45	6 34
31	11 18 27.06	4 7.83	5 22 36.9	29 55.2	0.022449	2 46	6 32
Aug. 1	11 22 34.89	4 6.95	4 52 41.7	30 1.8	0.019356	2 46	6 29
2	11 26 41.84	+4 6.10	4 22 39.9	−30 7.7	0.016232	2 46	6 27
3	11 30 47.94	4 5.28	+ 3 52 32.2	30 13.1	0.013077	2 46	6 24
4	11 34 53.22	4 4.49	3 22 19.1	30 17.7	0.009891	2 46	6 21
5	11 38 57.71	4 3.72	2 52 1.4	30 21.7	0.006675	2 46	6 19
6	11 43 1.43	4 2.98	2 21 39.7	30 25.2	0.003427	2 46	6 16
7	11 47 4.41	+4 2.28	1 51 14.5	−30 28.0	0.000148	2 47	6 13
8	11 51 6.69	4 1.60	+ 1 20 46.5	30 30.3	9.996837	2 47	6 11
9	11 55 8.29	4 0.96	0 50 16.2	30 31.9	9.993494	2 47	6 8
10	11 59 9.25	4 0.35	+ 0 19 44.3	30 32.9	9.990119	2 47	6 5
11	12 3 9.60	3 59.76	− 0 10 48.6	30 33.3	9.986711	2 47	6 3
12	12 7 9.36	+3 59.19	0 41 21.9	−30 33.1	9.983270	2 47	6 0
13	12 11 8.55	3 58.66	− 1 11 55.0	30 32.3	9.979796	2 47	5 57
14	12 15 7.21	3 58.16	1 42 27.3	30 30.9	9.976288	2 47	5 55
15	12 19 5.37	3 57.67	2 12 58.2	30 28.9	9.972746	2 47	5 52
16	12 23 3.04	3 57.22	2 43 27.1	30 26.4	9.969169	2 47	5 49
17	12 27 0.26		3 13 53.5		9.965557	2 47	5 47

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Aug. 16	12 23 3.04	+3 57.22	− 2 43 27.1	−30 26.4	9.969169	2 47	5 49
17	12 27 0.26	3 56.78	3 13 53.5	30 23.2	9.965557	2 47	5 47
18	12 30 57.04	3 56.37	3 44 16.7	30 19.4	9.961909	2 47	5 44
19	12 34 53.41	3 55.98	4 14 36.1	30 14.9	9.958225	2 47	5 41
20	12 38 49.39	+3 55.60	4 44 51.0	−30 9.9	9.954504	2 47	5 39
21	12 42 44.99	3 55.24	− 5 15 0.9	30 4.2	9.950745	2 47	5 36
22	12 46 40.23	3 54.90	5 45 5.1	29 58.0	9.946949	2 47	5 34
23	12 50 35.13	3 54.57	6 15 3.1	29 51.0	9.943114	2 47	5 31
24	12 54 29.70	3 54.24	6 44 54.1	29 43.5	9.939240	2 47	5 28
25	12 58 23.94	+3 53.92	7 14 37.6	−29 35.2	9.935326	2 47	5 26
26	13 2 17.86	3 53.61	− 7 44 12.8	29 26.4	9.931372	2 47	5 23
27	13 6 11.47	3 53.30	8 13 39.2	29 16.9	9.927378	2 47	5 20
28	13 10 4.77	3 53.00	8 42 56.1	29 6.7	9.923343	2 47	5 18
29	13 13 57.77	3 52.69	9 12 2.8	28 56.0	9.919266	2 47	5 15
30	13 17 50.46	+3 52.40	9 40 58.8	−28 44.8	9.915147	2 47	5 12
31	13 21 42.86	3 52.10	−10 9 43.6	28 32.9	9.910986	2 47	5 10
Sept. 1	13 25 34.96	3 51.80	10 38 16.5	28 20.3	9.906782	2 47	5 7
2	13 29 26.76	3 51.50	11 6 36.8	28 7.3	9.902535	2 46	5 5
3	13 33 18.26	3 51.20	11 34 44.1	27 53.6	9.898244	2 46	5 2
4	13 37 9.46	+3 50.89	12 2 37.7	−27 39.4	9.893910	2 46	4 59
5	13 41 0.35	3 50.59	−12 30 17.1	27 24.7	9.889532	2 46	4 57
6	13 44 50.94	3 50.27	12 57 41.8	27 9.3	9.885109	2 46	4 54
7	13 48 41.21	3 49.95	13 24 51.1	26 53.5	9.880640	2 46	4 52
8	13 52 31.16	3 49.61	13 51 44.6	26 37.1	9.876125	2 46	4 49
9	13 56 20.77	+3 49.26	14 18 21.7	−26 20.1	9.871564	2 46	4 47
10	14 0 10.03	3 48.88	−14 44 41.8	26 2.7	9.866955	2 46	4 44
11	14 3 58.91	3 48.49	15 10 44.5	25 44.6	9.862299	2 45	4 41
12	14 7 47.40	3 48.08	15 36 29.1	25 26.0	9.857594	2 45	4 39
13	14 11 35.48	3 47.63	16 1 55.1	25 7.0	9.852839	2 45	4 36
14	14 15 23.11	+3 47.16	16 27 2.1	−24 47.3	9.848035	2 45	4 34
15	14 19 10.27	3 46.65	−16 51 49.4	24 27.1	9.843180	2 45	4 31
16	14 22 56.92	3 46.11	17 16 16.5	24 6.4	9.838274	2 45	4 28
17	14 26 43.03	3 45.52	17 40 22.9	23 45.2	9.833315	2 45	4 26
18	14 30 28.55	3 44.87	18 4 8.1	23 23.4	9.828303	2 44	4 24
19	14 34 13.42	+3 44.17	18 27 31.5	−23 1.0	9.823237	2 44	4 21
20	14 37 57.59	3 43.41	−18 50 32.5	22 38.2	9.818115	2 44	4 19
21	14 41 41.00	3 42.58	19 13 10.7	22 14.7	9.812937	2 44	4 16
22	14 45 23.58	3 41.68	19 35 25.4	21 50.8	9.807703	2 44	4 14
23	14 49 5.26	3 40.69	19 57 16.2	21 26.3	9.802410	2 43	4 11
24	14 52 45.95		20 18 42.5		9.797059	2 43	4 9

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Sept. 23	14 49 5.26	+3 40.69	−19 57 16.2	−21 26.3	9.802410	2 43	4 11
24	14 52 45.95	3 39.62	20 18 42.5	21 1.4	9.797059	2 43	4 9
25	14 56 25.57	3 38.45	20 39 43.9	20 35.9	9.791649	2 43	4 7
26	15 0 4.02	3 37.19	21 0 19.8	20 9.9	9.786179	2 42	4 4
27	15 3 41.21	+3 35.82	21 20 29.7	−19 43.4	9.780649	2 42	4 2
28	15 7 17.03	3 34.35	−21 40 13.1	19 16.5	9.775059	2 42	4 0
29	15 10 51.38	3 32.77	21 59 29.6	18 49.2	9.769408	2 41	3 58
30	15 14 24.15	3 31.08	22 18 18.8	18 21.4	9.763695	2 41	3 55
Okt. 1	15 17 55.23	3 29.26	22 36 40.2	17 53.3	9.757920	2 41	3 53
2	15 21 24.49	+3 27.33	22 54 33.5	−17 24.7	9.752084	2 40	3 51
3	15 24 51.82	3 25.25	−23 11 58.2	16 55.8	9.746186	2 40	3 49
4	15 28 17.07	3 23.05	23 28 54.0	16 26.5	9.740225	2 39	3 47
5	15 31 40.12	3 20.69	23 45 20.5	15 56.8	9.734201	2 39	3 45
6	15 35 0.81	3 18.19	24 1 17.3	15 26.9	9.728115	2 38	3 43
7	15 38 19.00	+3 15.53	24 16 44.2	−14 56.5	9.721966	2 37	3 41
8	15 41 34.53	3 12.70	−24 31 40.7	14 25.8	9.715755	2 37	3 39
9	15 44 47.23	3 9.70	24 46 6.5	13 54.8	9.709481	2 36	3 37
10	15 47 56.93	3 6.52	25 0 1.3	13 23.5	9.703144	2 35	3 35
11	15 51 3.45	3 3.16	25 13 24.8	12 51.9	9.696745	2 34	3 34
12	15 54 6.61	+2 59.61	25 26 16.7	−12 19.9	9.690285	2 33	3 32
13	15 57 6.22	2 55.84	−25 38 36.6	11 47.6	9.683763	2 32	3 30
14	16 0 2.06	2 51.87	25 50 24.2	11 15.0	9.677181	2 31	3 29
15	16 2 53.93	2 47.66	26 1 39.2	10 42.0	9.670539	2 30	3 27
16	16 5 41.59	2 43.24	26 12 21.2	10 8.7	9.663838	2 29	3 26
17	16 8 24.83	+2 38.55	26 22 29.9	−9 34.9	9.657079	2 28	3 24
18	16 11 3.38	2 33.62	−26 32 4.8	9 0.8	9.650263	2 27	3 23
19	16 13 37.00	2 28.41	26 41 5.6	8 26.3	9.643391	2 25	3 22
20	16 16 5.41	2 22.93	26 49 31.9	7 51.2	9.636467	2 24	3 20
21	16 18 28.34	2 17.14	26 57 23.1	7 15.6	9.629492	2 22	3 19
22	16 20 45.48	+2 11.06	27 4 38.7	−6 39.6	9.622469	2 21	3 18
23	16 22 56.54	2 4.68	−27 11 18.3	6 3.0	9.615402	2 19	3 17
24	16 25 1.22	1 57.99	27 17 21.3	5 25.8	9.608294	2 17	3 16
25	16 26 59.21	1 50.98	27 22 47.1	4 47.9	9.601150	2 15	3 16
26	16 28 50.19	1 43.66	27 27 35.0	4 9.4	9.593976	2 13	3 15
27	16 30 33.85	+1 36.02	27 31 44.4	−3 30.0	9.586777	2 11	3 14
28	16 32 9.87	1 28.08	−27 35 14.4	2 49.9	9.579560	2 8	3 14
29	16 33 37.95	1 19.83	27 38 4.3	2 9.0	9.572333	2 6	3 13
30	16 34 57.78	1 11.28	27 40 13.3	1 27.1	9.565104	2 3	3 13
31	16 36 9.06	1 2.45	27 41 40.4	0 44.1	9.557882	2 1	3 13
Nov. 1	16 37 11.51		27 42 24.5		9.550677	1 58	3 13

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Okt.	31	16 36 9.06	+1 2.45	−27 41 40.4	−0 44.1	9.557882	2 1	3 13
Nov.	1	16 37 11.51	0 53.33	27 42 24.5	−0 0.2	9.550677	1 58	3 13
	2	16 38 4.84	0 43.95	27 42 24.7	+0 45.1	9.543501	1 55	3 13
	3	16 38 48.79	0 34.33	27 41 39.6	1 31.4	9.536364	1 51	3 13
	4	16 39 23.12	+0 24.48	27 40 8.2	+2 19.1	9.529280	1 48	3 13
	5	16 39 47.60	0 14.45	−27 37 49.1	3 8.1	9.522263	1 44	3 13
	6	16 40 2.05	+0 4.27	27 34 41.0	3 58.6	9.515328	1 41	3 14
	7	16 40 6.32	−0 6.03	27 30 42.4	4 50.4	9.508491	1 37	3 15
	8	16 40 0.29	0 16.41	27 25 52.0	5 43.5	9.501769	1 33	3 15
	9	16 39 43.88	−0 26.81	27 20 8.5	+6 38.1	9.495182	1 29	3 16
	10	16 39 17.07	0 37.19	−27 13 30.4	7 34.0	9.488748	1 24	3 17
	11	16 38 39.88	0 47.48	27 5 56.4	8 31.1	9.482487	1 20	3 18
	12	16 37 52.40	0 57.63	26 57 25.3	9 29.2	9.476421	1 15	3 19
	13	16 36 54.77	1 7.56	26 47 56.1	10 28.2	9.470571	1 10	3 21
	14	16 35 47.21	−1 17.21	26 37 27.9	+11 27.9	9.464960	1 5	3 22
	15	16 34 30.00	1 26.50	−26 26 0.0	12 27.7	9.459611	1 0	3 24
	16	16 33 3.50	1 35.36	26 13 32.3	13 27.6	9.454547	0 54	3 25
	17	16 31 28.14	1 43.71	26 0 4.7	14 27.1	9.449792	0 49	3 27
	18	16 29 44.43	1 51.47	25 45 37.6	15 25.5	9.445369	0 43	3 29
	19	16 27 52.96	−1 58.56	25 30 12.1	+16 22.5	9.441302	0 37	3 31
	20	16 25 54.40	2 4.91	−25 13 49.6	17 17.4	9.437613	0 31	3 33
	21	16 23 49.49	2 10.44	24 56 32.2	18 9.4	9.434323	0 25	3 36
	22	16 21 39.05	2 15.07	24 38 22.8	18 58.1	9.431453	0 19	3 38
	23	16 19 23.98	2 18.76	24 19 24.7	19 42.7	9.429021	0 13	3 41
	24	16 17 5.22	−2 21.44	23 59 42.0	+20 22.6	9.427044	0 7	3 43
	25	16 14 43.78	2 23.09	−23 39 19.4	20 57.3	9.425535	0 1	3 46
	26	16 12 20.69	2 23.69	23 18 22.1	21 25.9	9.424504	23 54	3 48
	27	16 9 57.00	2 23.23	22 56 56.2	21 48.2	9.423960	23 48	3 51
	28	16 7 33.77	2 21.72	22 35 8.0	22 3.8	9.423907	23 42	3 53
	29	16 5 12.05	−2 19.19	22 13 4.2	+22 12.3	9.424345	23 35	3 56
	30	16 2 52.86	2 15.68	−21 50 51.9	22 13.6	9.425271	23 29	3 59
Dez.	1	16 0 37.18	2 11.23	21 28 38.3	22 7.7	9.426680	23 23	4 1
	2	15 58 25.95	2 5.90	21 6 30.6	21 54.6	9.428563	23 17	4 4
	3	15 56 20.05	1 59.78	20 44 36.0	21 34.7	9.430907	23 11	4 6
	4	15 54 20.27	−1 52.92	20 23 1.3	+21 8.1	9.433696	23 5	4 9
	5	15 52 27.35	1 45.41	−20 1 53.2	20 35.2	9.436914	22 59	4 11
	6	15 50 41.94	1 37.34	19 41 18.0	19 56.6	9.440540	22 53	4 13
	7	15 49 4.60	1 28.77	19 21 21.4	19 12.8	9.444553	22 48	4 15
	8	15 47 35.83	1 19.82	19 2 8.6	18 24.4	9.448930	22 42	4 17
	9	15 46 16.01		18 43 44.2		9.453647	22 37	4 19

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Dez. 8	15 47 35.83	−1 19.82	−19 2 8.6	+18 24.4	9.448930	22 42	4 17
9	15 46 16.01	1 10.55	18 43 44.2	17 32.1	9.453647	22 37	4 19
10	15 45 5.46	1 1.06	18 26 12.1	16 36.3	9.458680	22 32	4 21
11	15 44 4.40	0 51.40	18 9 35.8	15 37.9	9.464002	22 27	4 23
12	15 43 13.00	−0 41.63	17 53 57.9	+14 37.4	9.469590	22 22	4 25
13	15 42 31.37	0 31.83	−17 39 20.5	13 35.3	9.475420	22 17	4 26
14	15 41 59.54	0 22.06	17 25 45.2	12 32.2	9.481468	22 13	4 28
15	15 41 37.48	0 12.34	17 13 13.0	11 28.7	9.487710	22 9	4 29
16	15 41 25.14	−0 2.72	17 1 44.3	10 25.1	9.494125	22 4	4 30
17	15 41 22.42	+0 6.77	16 51 19.2	+9 21.9	9.500693	22 0	4 31
18	15 41 29.19	0 16.10	−16 41 57.3	8 19.4	9.507395	21 57	4 32
19	15 41 45.29	0 25.25	16 33 37.9	7 17.9	9.514211	21 53	4 33
20	15 42 10.54	0 34.22	16 26 20.0	6 17.6	9.521125	21 49	4 34
21	15 42 44.76	0 42.98	16 20 2.4	5 18.7	9.528122	21 46	4 34
22	15 43 27.74	+0 51.53	16 14 43.7	+4 21.5	9.535186	21 43	4 35
23	15 44 19.27	0 59.87	−16 10 22.2	3 26.2	9.542303	21 40	4 35
24	15 45 19.14	1 8.00	16 6 56.0	2 32.8	9.549462	21 37	4 36
25	15 46 27.14	1 15.90	16 4 23.2	1 41.6	9.556650	21 34	4 36
26	15 47 43.04	1 23.58	16 2 41.6	0 52.4	9.563857	21 31	4 36
27	15 49 6.62	+1 31.04	16 1 49.2	+0 5.6	9.571073	21 29	4 36
28	15 50 37.66	1 38.27	−16 1 43.6	−0 38.9	9.578289	21 26	4 36
29	15 52 15.93	1 45.29	16 2 22.5	1 21.1	9.585497	21 24	4 36
30	15 54 1.22	1 52.10	16 3 43.6	2 1.0	9.592689	21 22	4 36
31	15 55 53.32	1 58.69	16 5 44.6	2 38.5	9.599859	21 20	4 36
32	15 57 52.01	+2 5.07	16 8 23.1	−3 13.6	9.607001	21 18	4 35
33	15 59 57.08		−16 11 36.7		9.614109	21 16	4 35

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Jan.	0	7 14 39.48	−1 43.93	+26 11 25.2	+4 33.4	9.794149	12 38	8 45
	1	7 12 55.55	1 44.69	26 15 58.6	4 24.5	9.794105	12 32	8 46
	2	7 11 10.86	1 45.22	26 20 23.1	4 15.0	9.794214	12 26	8 46
	3	7 9 25.64	1 45.51	26 24 38.1	4 4.9	9.794477	12 21	8 47
	4	7 7 40.13	−1 45.58	26 28 43.0	+3 54.5	9.794894	12 15	8 47
	5	7 5 54.55	1 45.44	+26 32 37.5	3 43.6	9.795464	12 9	8 48
	6	7 4 9.11	1 45.08	26 36 21.1	3 32.5	9.796187	12 3	8 48
	7	7 2 24.03	1 44.50	26 39 53.6	3 21.0	9.797061	11 58	8 49
	8	7 0 39.53	1 43.71	26 43 14.6	3 9.3	9.798085	11 52	8 49
	9	6 58 55.82	−1 42.70	26 46 23.9	+2 57.5	9.799258	11 46	8 50
	10	6 57 13.12	1 41.50	+26 49 21.4	2 45.6	9.800577	11 41	8 50
	11	6 55 31.62	1 40.10	26 52 7.0	2 33.7	9.802040	11 35	8 51
	12	6 53 51.52	1 38.53	26 54 40.7	2 21.9	9.803644	11 29	8 51
	13	6 52 12.99	1 36.77	26 57 2.6	2 9.9	9.805388	11 24	8 52
	14	6 50 36.22	−1 34.83	26 59 12.5	+1 58.2	9.807269	11 18	8 52
	15	6 49 1.39	1 32.73	+27 1 10.7	1 46.6	9.809282	11 13	8 52
	16	6 47 28.66	1 30.46	27 2 57.3	1 35.2	9.811425	11 7	8 52
	17	6 45 58.20	1 28.04	27 4 32.5	1 24.1	9.813694	11 2	8 53
	18	6 44 30.16	1 25.48	27 5 56.6	1 13.2	9.816087	10 56	8 53
	19	6 43 4.68	−1 22.77	27 7 9.8	+1 2.6	9.818599	10 51	8 53
	20	6 41 41.91	1 19.94	+27 8 12.4	0 52.3	9.821226	10 46	8 53
	21	6 40 21.97	1 16.97	27 9 4.7	0 42.4	9.823965	10 40	8 53
	22	6 39 5.00	1 13.90	27 9 47.1	0 32.9	9.826811	10 35	8 53
	23	6 37 51.10	1 10.72	27 10 20.0	0 23.6	9.829761	10 30	8 54
	24	6 36 40.38	−1 7.45	27 10 43.6	+0 14.7	9.832809	10 25	8 54
	25	6 35 32.93	1 4.09	+27 10 58.3	+0 6.2	9.835951	10 20	8 54
	26	6 34 28.84	1 0.67	27 11 4.5	−0 1.9	9.839182	10 15	8 54
	27	6 33 28.17	0 57.18	27 11 2.6	0 9.6	9.842498	10 10	8 54
	28	6 32 30.99	0 53.63	27 10 53.0	0 16.8	9.845895	10 5	8 54
	29	6 31 37.36	−0 50.05	27 10 36.2	−0 23.7	9.849367	10 0	8 54
	30	6 30 47.31	0 46.44	+27 10 12.5	0 30.3	9.852910	9 55	8 54
	31	6 30 0.87	0 42.82	27 9 42.2	0 36.4	9.856520	9 51	8 53
Febr.	1	6 29 18.05	0 39.18	27 9 5.8	0 42.3	9.860192	9 46	8 53
	2	6 28 38.87	0 35.53	27 8 23.5	0 47.7	9.863921	9 41	8 53
	3	6 28 3.34	−0 31.89	27 7 35.8	−0 52.9	9.867704	9 37	8 53
	4	6 27 31.45	0 28.26	+27 6 42.9	0 57.7	9.871536	9 32	8 53
	5	6 27 3.19	0 24.65	27 5 45.2	1 2.2	9.875413	9 28	8 53
	6	6 26 38.54	0 21.07	27 4 43.0	1 6.5	9.879332	9 24	8 53
	7	6 26 17.47	0 17.51	27 3 36.5	1 10.4	9.883288	9 19	8 52
	8	6 25 59.96		27 2 26.1		9.887278	9 15	8 52

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tagbogen h m
Febr. 7	6 26 17.47	−0 17.51	+27 3 36.5	−1 10.4	9.883288	9 19	8 52
8	6 25 59.96	0 13.99	27 2 26.1	1 14.1	9.887278	9 15	8 52
9	6 25 45.97	0 10.51	27 1 12.0	1 17.7	9.891299	9 11	8 52
10	6 25 35.46	0 7.07	26 59 54.3	1 21.0	9.895348	9 7	8 52
11	6 25 28.39	−0 3.68	26 58 33.3	−1 24.1	9.899422	9 3	8 52
12	6 25 24.71	−0 0.33	+26 57 9.2	1 27.1	9.903517	8 59	8 52
13	6 25 24.38	+0 2.98	26 55 42.1	1 29.9	9.907631	8 55	8 51
14	6 25 27.36	0 6.24	26 54 12.2	1 32.6	9.911761	8 51	8 51
15	6 25 33.60	0 9.45	26 52 39.6	1 35.1	9.915906	8 47	8 51
16	6 25 43.05	+0 12.62	26 51 4.5	−1 37.6	9.920062	8 43	8 51
17	6 25 55.67	0 15.75	+26 49 26.9	1 40.1	9.924227	8 40	8 50
18	6 26 11.42	0 18.82	26 47 46.8	1 42.4	9.928399	8 36	8 50
19	6 26 30.24	0 21.85	26 46 4.4	1 44.7	9.932577	8 32	8 50
20	6 26 52.09	0 24.84	26 44 19.7	1 47.0	9.936757	8 29	8 50
21	6 27 16.93	+0 27.78	26 42 32.7	−1 49.2	9.940938	8 25	8 49
22	6 27 44.71	0 30.65	+26 40 43.5	1 51.5	9.945119	8 22	8 49
23	6 28 15.36	0 33.48	26 38 52.0	1 53.8	9.949296	8 18	8 49
24	6 28 48.84	0 36.26	26 36 58.2	1 56.1	9.953469	8 15	8 49
25	6 29 25.10	0 38.97	26 35 2.1	1 58.4	9.957635	8 12	8 48
26	6 30 4.07	+0 41.64	26 33 3.7	−2 0.8	9.961793	8 8	8 48
27	6 30 45.71	0 44.24	+26 31 2.9	2 3.2	9.965941	8 5	8 48
28	6 31 29.95	0 46.79	26 28 59.7	2 5.6	9.970078	8 2	8 47
März 1	6 32 16.74	0 49.29	26 26 54.1	2 8.2	9.974203	7 59	8 47
2	6 33 6.03	0 51.72	26 24 45.9	2 10.7	9.978314	7 56	8 47
3	6 33 57.75	+0 54.10	26 22 35.2	−2 13.4	9.982409	7 52	8 46
4	6 34 51.85	0 56.42	+26 20 21.8	2 16.1	9.986489	7 49	8 46
5	6 35 48.27	0 58.67	26 18 5.7	2 18.9	9.990551	7 46	8 46
6	6 36 46.94	1 0.87	26 15 46.8	2 21.8	9.994594	7 43	8 45
7	6 37 47.81	1 3.02	26 13 25.0	2 24.8	9.998619	7 41	8 45
8	6 38 50.83	+1 5.10	26 11 0.2	−2 27.8	0.002624	7 38	8 45
9	6 39 55.93	1 7.14	+26 8 32.4	2 30.9	0.006608	7 35	8 44
10	6 41 3.07	1 9.11	26 6 1.5	2 34.1	0.010571	7 32	8 44
11	6 42 12.18	1 11.03	26 3 27.4	2 37.3	0.014512	7 29	8 44
12	6 43 23.21	1 12.90	26 0 50.1	2 40.6	0.018431	7 26	8 43
13	6 44 36.11	+1 14.73	25 58 9.5	−2 44.2	0.022327	7 24	8 43
14	6 45 50.84	1 16.51	+25 55 25.3	2 47.8	0.026201	7 21	8 43
15	6 47 7.35	1 18.24	25 52 37.5	2 51.5	0.030052	7 18	8 42
16	6 48 25.59	1 19.94	25 49 46.0	2 55.3	0.033879	7 16	8 42
17	6 49 45.53	1 21.60	25 46 50.7	2 59.2	0.037682	7 13	8 41
18	6 51 7.13		25 43 51.5		0.041462	7 10	8 41

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
März 17	6 49 45.53	+1 21.60	+25 46 50.7	−2 59.2	0.037682	7 13	8 41
18	6 51 7.13	1 23.22	25 43 51.5	3 3.2	0.041462	7 10	8 41
19	6 52 30.35	1 24.80	25 40 48.3	3 7.3	0.045217	7 8	8 41
20	6 53 55.15	1 26.34	25 37 41.0	3 11.5	0.048948	7 5	8 40
21	6 55 21.49	+1 27.85	25 34 29.5	−3 15.8	0.052654	7 3	8 40
22	6 56 49.34	1 29.32	+25 31 13.7	3 20.3	0.056335	7 0	8 39
23	6 58 18.66	1 30.76	25 27 53.4	3 24.9	0.059991	6 58	8 39
24	6 59 49.42	1 32.16	25 24 28.5	3 29.5	0.063621	6 56	8 38
25	7 1 21.58	1 33.52	25 20 59.0	3 34.3	0.067226	6 53	8 38
26	7 2 55.10	+1 34.85	25 17 24.7	−3 39.1	0.070804	6 51	8 37
27	7 4 29.95	1 36.13	+25 13 45.6	3 44.1	0.074356	6 48	8 37
28	7 6 6.08	1 37.39	25 10 1.5	3 49.2	0.077882	6 46	8 36
29	7 7 43.47	1 38.62	25 6 12.3	3 54.3	0.081381	6 44	8 36
30	7 9 22.09	1 39.80	25 2 18.0	3 59.6	0.084853	6 41	8 35
31	7 11 1.89	+1 40.94	24 58 18.4	−4 4.8	0.088298	6 39	8 35
April 1	7 12 42.83	1 42.06	+24 54 13.6	4 10.2	0.091716	6 37	8 34
2	7 14 24.89	1 43.14	24 50 3.4	4 15.7	0.095107	6 35	8 34
3	7 16 8.03	1 44.18	24 45 47.7	4 21.2	0.098470	6 32	8 33
4	7 17 52.21	1 45.20	24 41 26.5	4 26.9	0.101807	6 30	8 32
5	7 19 37.41	+1 46.17	24 36 59.6	−4 32.5	0.105116	6 28	8 32
6	7 21 23.58	1 47.12	+24 32 27.1	4 38.3	0.108399	6 26	8 31
7	7 23 10.70	1 48.03	24 27 48.8	4 44.0	0.111654	6 24	8 31
8	7 24 58.73	1 48.92	24 23 4.8	4 49.8	0.114882	6 22	8 30
9	7 26 47.65	1 49.77	24 18 15.0	4 55.8	0.118084	6 19	8 29
10	7 28 37.42	+1 50.60	24 13 19.2	−5 1.7	0.121259	6 17	8 29
11	7 30 28.02	1 51.40	+24 8 17.5	5 7.7	0.124407	6 15	8 28
12	7 32 19.42	1 52.18	24 3 9.8	5 13.8	0.127530	6 13	8 27
13	7 34 11.60	1 52.94	23 57 56.0	5 20.0	0.130627	6 11	8 27
14	7 36 4.54	1 53.69	23 52 36.0	5 26.2	0.133698	6 9	8 26
15	7 37 58.23	+1 54.40	23 47 9.8	−5 32.4	0.136744	6 7	8 25
16	7 39 52.63	1 55.11	+23 41 37.4	5 38.8	0.139764	6 5	8 25
17	7 41 47.74	1 55.79	23 35 58.6	5 45.1	0.142760	6 3	8 24
18	7 43 43.53	1 56.46	23 30 13.5	5 51.6	0.145730	6 1	8 23
19	7 45 39.99	1 57.11	23 24 21.9	5 58.0	0.148675	5 59	8 22
20	7 47 37.10	+1 57.73	23 18 23.9	−6 4.5	0.151594	5 57	8 22
21	7 49 34.83	1 58.34	+23 12 19.4	6 11.1	0.154489	5 55	8 21
22	7 51 33.17	1 58.94	23 6 8.3	6 17.7	0.157360	5 53	8 20
23	7 53 32.11	1 59.51	22 59 50.6	6 24.4	0.160205	5 51	8 19
24	7 55 31.62	2 0.06	22 53 26.2	6 31.0	0.163025	5 49	8 18
25	7 57 31.68		22 46 55.2		0.165821	5 47	8 18

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
April 24	7 55 31.62	+2 0.06	+22 53 26.2	− 6 31.0	0.163025	5 49	8 18
25	7 57 31.68	2 0.60	22 46 55.2	6 37.7	0.165821	5 47	8 18
26	7 59 32.28	2 1.12	22 40 17.5	6 44.4	0.168592	5 45	8 17
27	8 1 33.40	2 1.61	22 33 33.1	6 51.2	0.171339	5 43	8 16
28	8 3 35.01	+2 2.10	22 26 41.9	− 6 58.0	0.174061	5 41	8 15
29	8 5 37.11	2 2.56	+22 19 43.9	7 4.8	0.176759	5 39	8 14
30	8 7 39.67	2 3.00	22 12 39.1	7 11.6	0.179432	5 37	8 13
Mai 1	8 9 42.67	2 3.43	22 5 27.5	7 18.3	0.182081	5 35	8 12
2	8 11 46.10	2 3.83	21 58 9.2	7 25.1	0.184706	5 34	8 12
3	8 13 49.93	+2 4.22	21 50 44.1	− 7 31.9	0.187307	5 32	8 11
4	8 15 54.15	2 4.59	+21 43 12.2	7 38.6	0.189885	5 30	8 10
5	8 17 58.74	2 4.94	21 35 33.6	7 45.4	0.192438	5 28	8 9
6	8 20 3.68	2 5.29	21 27 48.2	7 52.2	0.194968	5 26	8 8
7	8 22 8.97	2 5.61	21 19 56.0	7 58.9	0.197475	5 24	8 7
8	8 24 14.58	+2 5.92	21 11 57.1	− 8 5.6	0.199959	5 23	8 6
9	8 26 20.50	2 6.22	+21 3 51.5	8 12.3	0.202421	5 21	8 5
10	8 28 26.72	2 6.51	20 55 39.2	8 19.0	0.204860	5 19	8 4
11	8 30 33.23	2 6.79	20 47 20.2	8 25.8	0.207277	5 17	8 3
12	8 32 40.02	2 7.06	20 38 54.4	8 32.5	0.209672	5 15	8 2
13	8 34 47.08	+2 7.33	20 30 21.9	− 8 39.2	0.212045	5 13	8 1
14	8 36 54.41	2 7.58	+20 21 42.7	8 45.9	0.214397	5 12	8 0
15	8 39 1.99	2 7.82	20 12 56.8	8 52.7	0.216727	5 10	7 59
16	8 41 9.81	2 8.06	20 4 4.1	8 59.5	0.219036	5 8	7 58
17	8 43 17.87	2 8.30	19 55 4.6	9 6.1	0.221324	5 6	7 57
18	8 45 26.17	+2 8.52	19 45 58.5	− 9 12.8	0.223591	5 4	7 56
19	8 47 34.69	2 8.74	+19 36 45.7	9 19.5	0.225838	5 2	7 55
20	8 49 43.43	2 8.94	19 27 26.2	9 26.3	0.228064	5 1	7 54
21	8 51 52.37	2 9.15	19 17 59.9	9 32.9	0.230269	4 59	7 53
22	8 54 1.52	2 9.34	19 8 27.0	9 39.5	0.232453	4 57	7 52
23	8 56 10.86	+2 9.53	18 58 47.5	− 9 46.1	0.234617	4 55	7 51
24	8 58 20.39	2 9.71	+18 49 1.4	9 52.7	0.236761	4 54	7 50
25	9 0 30.10	2 9.87	18 39 8.7	9 59.2	0.238884	4 52	7 49
26	9 2 39.97	2 10.04	18 29 9.5	10 5.8	0.240987	4 50	7 48
27	9 4 50.01	2 10.19	18 19 3.7	10 12.3	0.243070	4 48	7 47
28	9 7 0.20	+2 10.34	18 8 51.4	−10 18.7	0.245132	4 46	7 45
29	9 9 10.54	2 10.47	+17 58 32.7	10 25.1	0.247174	4 45	7 44
30	9 11 21.01	2 10.61	17 48 7.6	10 31.5	0.249197	4 43	7 43
31	9 13 31.62	2 10.73	17 37 36.1	10 37.7	0.251200	4 41	7 42
Juni 1	9 15 42.35	2 10.84	17 26 58.4	10 44.0	0.253183	4 39	7 41
2	9 17 53.19		17 16 14.4		0.255147	4 38	7 40

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Juni	1	9 15 42.35	+2 10.84	+17 26 58.4	−10 44.0	0.253183	4 39	7 41
	2	9 17 53.19	2 10.94	17 16 14.4	10 50.1	0.255147	4 38	7 40
	3	9 20 4.13	2 11.04	17 5 24.3	10 56.3	0.257091	4 36	7 39
	4	9 22 15.17	2 11.13	16 54 28.0	11 2.3	0.259016	4 34	7 38
	5	9 24 26.30	+2 11.22	16 43 25.7	−11 8.4	0.260922	4 32	7 36
	6	9 26 37.52	2 11.30	+16 32 17.3	11 14.3	0.262810	4 31	7 35
	7	9 28 48.82	2 11.38	16 21 3.0	11 20.3	0.264679	4 29	7 34
	8	9 31 0.20	2 11.46	16 9 42.7	11 26.2	0.266530	4 27	7 33
	9	9 33 11.66	2 11.54	15 58 16.5	11 32.0	0.268363	4 25	7 32
	10	9 35 23.20	+2 11.61	15 46 44.5	−11 37.9	0.270178	4 24	7 31
	11	9 37 34.81	2 11.68	+15 35 6.6	11 43.6	0.271975	4 22	7 29
	12	9 39 46.49	2 11.76	15 23 23.0	11 49.4	0.273755	4 20	7 28
	13	9 41 58.25	2 11.83	15 11 33.6	11 55.2	0.275518	4 18	7 27
	14	9 44 10.08	2 11.90	14 59 38.4	12 0.8	0.277263	4 17	7 26
	15	9 46 21.98	+2 11.97	14 47 37.6	−12 6.5	0.278991	4 15	7 25
	16	9 48 33.95	2 12.05	+14 35 31.1	12 12.0	0.280702	4 13	7 23
	17	9 50 46.00	2 12.12	14 23 19.1	12 17.6	0.282396	4 11	7 22
	18	9 52 58.12	2 12.19	14 11 1.5	12 23.1	0.284073	4 10	7 21
	19	9 55 10.31	2 12.26	13 58 38.4	12 28.6	0.285733	4 8	7 20
	20	9 57 22.57	+2 12.33	13 46 9.8	−12 34.0	0.287376	4 6	7 18
	21	9 59 34.90	2 12.40	+13 33 35.8	12 39.3	0.289003	4 4	7 17
	22	10 1 47.30	2 12.46	13 20 56.5	12 44.6	0.290613	4 3	7 16
	23	10 3 59.76	2 12.53	13 8 11.9	12 49.9	0.292206	4 1	7 15
	24	10 6 12.29	2 12.59	12 55 22.0	12 55.0	0.293783	3 59	7 13
	25	10 8 24 88	+2 12.65	12 42 27.0	−13 0.0	0.295343	3 57	7 12
	26	10 10 37.53	2 12.71	+12 29 27.0	13 5.1	0.296886	3 56	7 11
	27	10 12 50.24	2 12.77	12 16 21.9	13 10.0	0.298413	3 54	7 10
	28	10 15 3.01	2 12.83	12 3 11.9	13 14.9	0.299923	3 52	7 8
	29	10 17 15.84	2 12.88	11 49 57.0	13 19.6	0.301417	3 51	7 7
	30	10 19 28.72	+2 12.93	11 36 37.4	−13 24.3	0.302896	3 49	7 6
Juli	1	10 21 41.65	2 12.98	+11 23 13.1	13 29.0	0.304358	3 47	7 5
	2	10 23 54.63	2 13.03	11 9 44.1	13 33.6	0.305805	3 45	7 3
	3	10 26 7.66	2 13.08	10 56 10.5	13 38.0	0.307236	3 44	7 2
	4	10 28 20.74	2 13.13	10 42 32.5	13 42.4	0.308651	3 42	7 1
	5	10 30 33.87	+2 13.19	10 28 50.1	−13 46.8	0.310051	3 40	6 59
	6	10 32 47.06	2 13.25	+10 15 3.3	13 51.0	0.311436	3 38	6 58
	7	10 35 0.31	2 13.30	10 1 12.3	13 55.3	0.312806	3 37	6 57
	8	10 37 13.61	2 13.36	9 47 17.0	13 59.4	0.314162	3 35	6 56
	9	10 39 26.97	2 13.43	9 33 17.6	14 3.6	0.315502	3 33	6 54
	10	10 41 40.40		9 19 14.0		0.316828	3 32	6 53

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tagbogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Juli	9	10 39 26.97	+2 13.43	+9 33 17.6	−14 3.6	0.315502	3 33	6 54
	10	10 41 40.40	2 13.50	9 19 14.0	14 7.6	0.316828	3 32	6 53
	11	10 43 53.90	2 13.56	9 5 6.4	14 11.7	0.318140	3 30	6 52
	12	10 46 7.46	2 13.64	8 50 54.7	14 15.6	0.319437	3 28	6 50
	13	10 48 21.10	+2 13.73	8 36 39.1	−14 19.5	0.320720	3 26	6 49
	14	10 50 34.83	2 13.82	+8 22 19.6	14 23.3	0.321989	3 25	6 48
	15	10 52 48.65	2 13.90	8 7 56.3	14 27.1	0.323243	3 23	6 47
	16	10 55 2.55	2 14.00	7 53 29.2	14 30.8	0.324484	3 21	6 45
	17	10 57 16.55	2 14.09	7 38 58.4	14 34.4	0.325711	3 20	6 44
	18	10 59 30.64	+2 14.19	7 24 24.0	−14 38.0	0.326924	3 18	6 43
	19	11 1 44.83	2 14.29	+7 9 46.0	14 41.5	0.328123	3 16	6 41
	20	11 3 59.12	2 14.40	6 55 4.5	14 44.9	0.329308	3 14	6 40
	21	11 6 13.52	2 14.51	6 40 19.6	14 48.3	0.330479	3 13	6 39
	22	11 8 28.03	2 14.62	6 25 31.3	14 51.5	0.331636	3 11	6 37
	23	11 10 42.65	+2 14.74	6 10 39.8	−14 54.7	0.332779	3 9	6 36
	24	11 12 57.39	2 14.85	+5 55 45.1	14 57.8	0.333909	3 8	6 35
	25	11 15 12.24	2 14.97	5 40 47.3	15 0.8	0.335025	3 6	6 33
	26	11 17 27.21	2 15.08	5 25 46.5	15 3.7	0.336127	3 4	6 32
	27	11 19 42.29	2 15.21	5 10 42.8	15 6.5	0.337215	3 3	6 31
	28	11 21 57.50	+2 15.33	4 55 36.3	−15 9.2	0.338290	3 1	6 29
	29	11 24 12.83	2 15.46	+4 40 27.1	15 11.8	0.339351	2 59	6 28
	30	11 26 28.29	2 15.59	4 25 15.3	15 14.3	0.340399	2 58	6 27
	31	11 28 43.88	2 15.73	4 10 1.0	15 16.8	0.341434	2 56	6 25
Aug.	1	11 30 59.61	2 15.86	3 54 44.2	15 19.1	0.342456	2 54	6 24
	2	11 33 15.47	+2 16.00	3 39 25.1	−15 21.4	0.343465	2 52	6 23
	3	11 35 31.47	2 16.14	+3 24 3.7	15 23.6	0.344461	2 51	6 21
	4	11 37 47.61	2 16.29	3 8 40.1	15 25.7	0.345445	2 49	6 20
	5	11 40 3.90	2 16.45	2 53 14.4	15 27.8	0.346416	2 47	6 19
	6	11 42 20.35	2 16.62	2 37 46.6	15 29.7	0.347375	2 46	6 17
	7	11 44 36.97	+2 16.79	2 22 16.9	−15 31.6	0.348321	2 44	6 16
	8	11 46 53.76	2 16.96	+2 6 45.3	15 33.4	0.349255	2 42	6 15
	9	11 49 10.72	2 17.15	1 51 11.9	15 35.2	0.350177	2 41	6 13
	10	11 51 27.87	2 17.33	1 35 36.7	15 36.9	0.351087	2 39	6 12
	11	11 53 45.20	2 17.53	1 19 59.8	15 38.5	0.351986	2 37	6 11
	12	11 56 2.73	+2 17.74	1 4 21.3	−15 40.0	0.352872	2 36	6 9
	13	11 58 20.47	2 17.95	+0 48 41.3	15 41.5	0.353746	2 34	6 8
	14	12 0 38.42	2 18.16	0 32 59.8	15 42.8	0.354609	2 33	6 6
	15	12 2 56.58	2 18.38	0 17 17.0	15 44.1	0.355460	2 31	6 5
	16	12 5 14.96	2 18.61	+0 1 32.9	15 45.2	0.356299	2 29	6 4
	17	12 7 33.57		−0 14 12.3		0.357126	2 28	6 2

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. m s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Aug. 16	12 5 14.96	+2 18.61	+0 1 32.9	−15 45.2	0.356299	2 29	6 4
17	12 7 33.57	2 18.84	−0 14 12.3	15 46.3	0.357126	2 28	6 2
18	12 9 52.41	2 19.08	0 29 58.6	15 47.4	0.357942	2 26	6 1
19	12 12 11.49	2 19.33	0 45 46.0	15 48.2	0.358746	2 24	6 0
20	12 14 30.82	+2 19.58	1 1 34.2	−15 49.1	0.359538	2 23	5 58
21	12 16 50.40	2 19.83	−1 17 23.3	15 49.7	0.360319	2 21	5 57
22	12 19 10.23	2 20.09	1 33 13.0	15 50.3	0.361088	2 20	5 56
23	12 21 30.32	2 20.36	1 49 3.3	15 50.8	0.361845	2 18	5 54
24	12 23 50.68	2 20.62	2 4 54.1	15 51.1	0.362590	2 16	5 53
25	12 26 11.30	+2 20.89	2 20 45.2	−15 51.3	0.363324	2 15	5 51
26	12 28 32.19	2 21.17	−2 36 36.5	15 51.5	0.364046	2 13	5 50
27	12 30 53.36	2 21.45	2 52 28.0	15 51.5	0.364757	2 12	5 49
28	12 33 14.81	2 21.73	3 8 19.5	15 51.3	0.365457	2 10	5 47
29	12 35 36.54	2 22.02	3 24 10.8	15 51.1	0.366145	2 8	5 46
30	12 37 58.56	+2 22.32	3 40 1.9	−15 50.8	0.366822	2 7	5 45
31	12 40 20.88	2 22.62	−3 55 52.7	15 50.4	0.367488	2 5	5 43
Sept. 1	12 42 43.50	2 22.93	4 11 43.1	15 49.9	0.368144	2 4	5 42
2	12 45 6.43	2 23.24	4 27 33.0	15 49.3	0.368789	2 2	5 40
3	12 47 29.67	2 23.57	4 43 22.3	15 48.5	0.369423	2 1	5 39
4	12 49 53.24	+2 23.90	4 59 10.8	−15 47.7	0.370047	1 59	5 38
5	12 52 17.14	2 24.24	−5 14 58.5	15 46.9	0.370661	1 57	5 36
6	12 54 41.38	2 24.59	5 30 45.4	15 45.9	0.371264	1 56	5 35
7	12 57 5.97	2 24.94	5 46 31.3	15 44.7	0.371857	1 54	5 33
8	12 59 30.91	2 25.31	6 2 16.0	15 43.5	0.372440	1 53	5 32
9	13 1 56.22	+2 25.68	6 17 59.5	−15 42.2	0.373012	1 51	5 31
10	13 4 21.90	2 26.06	−6 33 41.7	15 40.8	0.373574	1 50	5 29
11	13 6 47.96	2 26.44	6 49 22.5	15 39.2	0.374126	1 48	5 28
12	13 9 14.40	2 26.84	7 5 1.7	15 37.6	0.374669	1 47	5 26
13	13 11 41.24	2 27.24	7 20 39.3	15 35.9	0.375202	1 45	5 25
14	13 14 8.48	+2 27.65	7 36 15.2	−15 34.0	0.375724	1 44	5 24
15	13 16 36.13	2 28.06	−7 51 49.2	15 32.0	0.376236	1 42	5 22
16	13 19 4.19	2 28.48	8 7 21.2	15 29.8	0.376738	1 41	5 21
17	13 21 32.67	2 28.91	8 22 51.0	15 27.6	0.377230	1 39	5 19
18	13 24 1.58	2 29.35	8 38 18.6	15 25.2	0.377713	1 38	5 18
19	13 26 30.93	+2 29.78	8 53 43.8	−15 22.7	0.378185	1 36	5 17
20	13 29 0.71	2 30.23	−9 9 6.5	15 20.0	0.378647	1 35	5 15
21	13 31 30.94	2 30.67	9 24 26.5	15 17.2	0.379099	1 34	5 14
22	13 34 1.61	2 31.13	9 39 43.7	15 14.2	0.379542	1 32	5 12
23	13 36 32.74	2 31.58	9 54 57.9	15 11.2	0.379974	1 31	5 11
24	13 39 4.32		10 10 9.1		0.380397	1 29	5 10

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Sept. 23	13 36 32.74	+2 31.58	−9 54 57.9	−15 11.2	0.379974	1 31	5 11
24	13 39 4.32	2 32.04	10 10 9.1	15 7.9	0.380397	1 29	5 10
25	13 41 36.36	2 32.51	10 25 17.0	15 4.6	0.380810	1 28	5 8
26	13 44 8.87	2 32.98	10 40 21.6	15 1.0	0.381213	1 27	5 7
27	13 46 41.85	+2 33.45	10 55 22.6	−14 57.3	0.381607	1 25	5 6
28	13 49 15.30	2 33.94	−11 10 19.9	14 53.5	0.381991	1 24	5 4
29	13 51 49.24	2 34.42	11 25 13.4	14 49.6	0.382366	1 22	5 3
30	13 54 23.66	2 34.92	11 40 3.0	14 45.6	0.382732	1 21	5 1
Okt. 1	13 56 58.58	2 35.42	11 54 48.6	14 41.4	0.383089	1 20	5 0
2	13 59 34.00	+2 35.93	12 9 30.0	−14 37.1	0.383436	1 18	4 59
3	14 2 9.93	2 36.45	−12 24 7.1	14 32.7	0.383775	1 17	4 57
4	14 4 46.38	2 36.97	12 38 39.8	14 28.1	0.384105	1 16	4 56
5	14 7 23.35	2 37.50	12 53 7.9	14 23.3	0.384426	1 14	4 55
6	14 10 0.85	2 38.03	13 7 31.2	14 18.5	0.384739	1 13	4 53
7	14 12 38.88	+2 38.58	13 21 49.7	−14 13.5	0.385043	1 12	4 52
8	14 15 17.46	2 39.13	−13 36 3.2	14 8.3	0.385339	1 10	4 50
9	14 17 56.59	2 39.68	13 50 11.5	14 3.1	0.385626	1 9	4 49
10	14 20 36.27	2 40.25	14 4 14.6	13 57.6	0.385904	1 8	4 48
11	14 23 16.52	2 40.82	14 18 12.2	13 52.1	0.386174	1 6	4 46
12	14 25 57.34	+2 41.39	14 32 4.3	−13 46.3	0.386436	1 5	4 45
13	14 28 38.73	2 41.97	−14 45 50.6	13 40.5	0.386689	1 4	4 44
14	14 31 20.70	2 42.56	14 59 31.1	13 34.4	0.386934	1 3	4 42
15	14 34 3.26	2 43.14	15 13 5.5	13 28.3	0.387170	1 2	4 41
16	14 36 46.40	2 43.74	15 26 33.8	13 21.9	0.387397	1 0	4 40
17	14 39 30.14	+2 44.33	15 39 55.7	−13 15.4	0.387616	0 59	4 38
18	14 42 14.47	2 44.93	−15 53 11.1	13 8.6	0.387827	0 58	4 37
19	14 44 59.40	2 45.52	16 6 19.7	13 1.8	0.388030	0 57	4 36
20	14 47 44.92	2 46.12	16 19 21.5	12 54.7	0.388224	0 55	4 34
21	14 50 31.04	2 46.73	16 32 16.2	12 47.5	0.388409	0 54	4 33
22	14 53 17.77	+2 47.33	16 45 3.7	−12 40.1	0.388586	0 53	4 32
23	14 56 5.10	2 47.94	−16 57 43.8	12 32.6	0.388755	0 52	4 30
24	14 58 53.04	2 48.54	17 10 16.4	12 24.8	0.388916	0 51	4 29
25	15 1 41.58	2 49.15	17 22 41.2	12 16.9	0.389069	0 50	4 28
26	15 4 30.73	2 49.76	17 34 58.1	12 8.8	0.389213	0 49	4 27
27	15 7 20.49	+2 50.37	17 47 6.9	−12 0.7	0.389350	0 47	4 25
28	15 10 10.86	2 50.98	−17 59 7.6	11 52.3	0.389479	0 46	4 24
29	15 13 1.84	2 51.59	18 10 59.9	11 43.7	0.389600	0 45	4 23
30	15 15 53.43	2 52.21	18 22 43.6	11 35.1	0.389714	0 44	4 22
31	15 18 45.64	2 52.82	18 34 18.7	11 26.2	0.389821	0 43	4 20
Nov. 1	15 21 38.46		18 45 44.9		0.389920	0 42	4 19

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Okt. 31	15 18 45.64	+2 52.82	−18 34 18.7	−11 26.2	0.389821	0 43	4 20
Nov. 1	15 21 38.46	2 53.45	18 45 44.9	11 17.2	0.389920	0 42	4 19
2	15 24 31.91	2 54.07	18 57 2.1	11 8.0	0.390012	0 41	4 18
3	15 27 25.98	2 54.69	19 8 10.1	10 58.7	0.390097	0 40	4 17
4	15 30 20.67	+2 55.32	19 19 8.8	−10 49.1	0.390175	0 39	4 16
5	15 33 15.99	2 55.95	−19 29 57.9	10 39.5	0.390245	0 38	4 14
6	15 36 11.94	2 56.57	19 40 37.4	10 29.6	0.390309	0 37	4 13
7	15 39 8.51	2 57.20	19 51 7.0	10 19.6	0.390366	0 36	4 12
8	15 42 5.71	2 57.83	20 1 26.6	10 9.5	0.390415	0 35	4 11
9	15 45 3.54	+2 58.46	20 11 36.1	−9 59.1	0.390457	0 34	4 10
10	15 48 2.00	2 59.08	−20 21 35.2	9 48.7	0.390493	0 33	4 9
11	15 51 1.08	2 59.70	20 31 23.9	9 38.0	0.390522	0 32	4 8
12	15 54 0.78	3 0.33	20 41 1.9	9 27.1	0.390544	0 31	4 7
13	15 57 1.11	3 0.94	20 50 29.0	9 16.1	0.390559	0 30	4 5
14	16 0 2.05	+3 1.56	20 59 45.1	−9 5.0	0.390567	0 29	4 4
15	16 3 3.61	3 2.17	−21 8 50.1	8 53.6	0.390568	0 28	4 3
16	16 6 5.78	3 2.77	21 17 43.7	8 42.1	0.390563	0 27	4 2
17	16 9 8.55	3 3.37	21 26 25.8	8 30.4	0.390551	0 26	4 1
18	16 12 11.92	3 3.96	21 34 56.2	8 18.5	0.390532	0 26	4 0
19	16 15 15.88	+3 4.54	21 43 14.7	−8 6.5	0.390506	0 25	3 59
20	16 18 20.42	3 5.11	−21 51 21.2	7 54.3	0.390473	0 24	3 59
21	16 21 25.53	3 5.68	21 59 15.5	7 41.9	0.390434	0 23	3 58
22	16 24 31.21	3 6.23	22 6 57.4	7 29.5	0.390388	0 22	3 57
23	16 27 37.44	3 6.79	22 14 26.9	7 16.8	0.390336	0 21	3 56
24	16 30 44.23	+3 7.34	22 21 43.7	−7 4.1	0.390277	0 20	3 55
25	16 33 51.57	3 7.88	−22 28 47.8	6 51.1	0.390212	0 20	3 54
26	16 36 59.45	3 8.40	22 35 38.9	6 38.0	0.390141	0 19	3 53
27	16 40 7.85	3 8.92	22 42 16.9	6 24.8	0.390064	0 18	3 53
28	16 43 16.77	3 9.44	22 48 41.7	6 11.5	0.389981	0 17	3 52
29	16 46 26.21	+3 9.95	22 54 53.2	−5 58.0	0.389892	0 16	3 51
30	16 49 36.16	3 10.44	−23 0 51.2	5 44.3	0.389798	0 16	3 50
Dez. 1	16 52 46.60	3 10.93	23 6 35.5	5 30.5	0.389698	0 15	3 49
2	16 55 57.53	3 11.42	23 12 6.0	5 16.7	0.389592	0 14	3 49
3	16 59 8.95	3 11.89	23 17 22.7	5 2.7	0.389481	0 13	3 48
4	17 2 20.84	+3 12.36	23 22 25.4	−4 48.5	0.389365	0 13	3 48
5	17 5 33.20	3 12.81	−23 27 13.9	4 34.2	0.389243	0 12	3 47
6	17 8 46.01	3 13.25	23 31 48.1	4 19.9	0.389116	0 11	3 47
7	17 11 59.26	3 13.69	23 36 8.0	4 5.4	0.388984	0 10	3 46
8	17 15 12.95	3 14.11	23 40 13.4	3 50.7	0.388847	0 10	3 45
9	17 18 27.06		23 44 4.1		0.388704	0 9	3 45

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Dez. 8	17 15 12.95	+3 14.11	−23 40 13.4	−3 50.7	0.388847	0 10	3 45
9	17 18 27.06	3 14.53	23 44 4.1	3 36.0	0.388704	0 9	3 45
10	17 21 41.59	3 14.93	23 47 40.1	3 21.1	0.388556	0 8	3 45
11	17 24 56.52	3 15.32	23 51 1.2	3 6.1	0.388403	0 8	3 44
12	17 28 11.84	+3 15.70	23 54 7.3	−2 51.1	0.388245	0 7	3 44
13	17 31 27.54	3 16.06	−23 56 58.4	2 36.0	0.388082	0 6	3 43
14	17 34 43.60	3 16.40	23 59 34.4	2 20.7	0.387914	0 6	3 43
15	17 38 0.00	3 16.73	24 1 55.1	2 5.3	0.387740	0 5	3 43
16	17 41 16.73	3 17.05	24 4 0.4	1 50.0	0.387561	0 4	3 43
17	17 44 33.78	+3 17.34	24 5 50.4	−1 34.5	0.387377	0 4	3 42
18	17 47 51.12	3 17.63	−24 7 24.9	1 18.9	0.387188	0 3	3 42
19	17 51 8.75	3 17.89	24 8 43.8	1 3.2	0.386994	0 2	3 42
20	17 54 26.64	3 18.13	24 9 47.0	0 47.6	0.386795	0 2	3 42
21	17 57 44.77	3 18.36	24 10 34.6	0 31.8	0.386591	0 1	3 42
22	18 1 3.13	+3 18.58	24 11 6.4	−0 16.0	0.386383	0 0	3 42
23	18 4 21.71	3 18.78	−24 11 22.4	−0 0.1	0.386170	0 0	3 42
24	18 7 40.49	3 18.96	24 11 22.5	+0 15.7	0.385952	23 59	3 42
25	18 10 59.45	3 19.13	24 11 6.8	0 31.7	0.385730	23 59	3 42
26	18 14 18.58	3 19.28	24 10 35.1	0 47.6	0.385504	23 58	3 42
27	18 17 37.86	+3 19.42	24 9 47.5	+1 3.7	0.385274	23 57	3 42
28	18 20 57.28	3 19.54	−24 8 43.8	1 19.6	0.385040	23 57	3 42
29	18 24 16.82	3 19.65	24 7 24.2	1 35.6	0.384802	23 56	3 42
30	18 27 36.47	3 19.75	24 5 48.6	1 51.7	0.384560	23 55	3 42
31	18 30 56.22	3 19.83	24 3 56.9	2 7.8	0.384314	23 55	3 43
32	18 34 16.05	+3 19.89	24 1 49.1	+2 23.8	0.384065	23 54	3 43
33	18 37 35.94		−23 59 25.3		0.383812	23 54	3 43

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Jan. 1	19 49 13.60	+1 57.66	−21 26 22.1	+4 58.0	0.783134	1 8	4 1
3	19 51 11.26	1 57.92	21 21 24.1	5 4.1	0.783648	1 2	4 2
5	19 53 9.18	1 58.15	21 16 20.0	5 9.9	0.784102	0 56	4 3
7	19 55 7.33	1 58.32	21 11 10.1	5 15.7	0.784495	0 50	4 3
9	19 57 5.65	+1 58.45	21 5 54.4	+5 21.3	0.784828	0 45	4 4
11	19 59 4.10	1 58.54	−21 0 33.1	5 26.8	0.785100	0 39	4 4
13	20 1 2.64	1 58.59	20 55 6.3	5 32.1	0.785312	0 33	4 5
15	20 3 1.23	1 58.59	20 49 34.2	5 37.4	0.785464	0 27	4 6
17	20 4 59.82	1 58.55	20 43 56.8	5 42.5	0.785556	0 21	4 6
19	20 6 58.37	+1 58.46	20 38 14.3	+5 47.5	0.785587	0 15	4 7
21	20 8 56.83	1 58.33	−20 32 26.8	5 52.3	0.785557	0 9	4 7
23	20 10 55.16	1 58.15	20 26 34.5	5 56.9	0.785467	0 3	4 8
25	20 12 53.31	1 57.91	20 20 37.6	6 1.4	0.785315	23 57	4 9
27	20 14 51.22	1 57.63	20 14 36.2	6 5.6	0.785103	23 51	4 9
29	20 16 48.85	+1 57.30	20 8 30.6	+6 9.5	0.784829	23 45	4 10
31	20 18 46.15	1 56.91	−20 2 21.1	6 13.3	0.784495	23 39	4 11
Febr. 2	20 20 43.06	1 56.49	19 56 7.8	6 16.9	0.784100	23 34	4 11
4	20 22 39.55	1 56.02	19 49 50.9	6 20.2	0.783644	23 28	4 12
6	20 24 35.57	1 55.51	19 43 30.7	6 23.2	0.783129	23 22	4 13
8	20 26 31.08	+1 54.96	19 37 7.5	+6 26.1	0.782554	23 16	4 14
10	20 28 26.04	1 54.38	−19 30 41.4	6 28.7	0.781920	23 10	4 14
12	20 30 20.42	1 53.76	19 24 12.7	6 31.1	0.781227	23 4	4 15
14	20 32 14.18	1 53.10	19 17 41.6	6 33.4	0.780475	22 58	4 16
16	20 34 7.28	1 52.40	19 11 8.2	6 35.4	0.779664	22 52	4 16
18	20 35 59.68	+1 51.66	19 4 32.8	+6 37.1	0.778793	22 46	4 17
20	20 37 51.34	1 50.86	−18 57 55.7	6 38.5	0.777864	22 40	4 18
22	20 39 42.20	1 50.02	18 51 17.2	6 39.7	0.776876	22 34	4 19
24	20 41 32.22	1 49.13	18 44 37.5	6 40.5	0.775829	22 28	4 19
26	20 43 21.35	1 48.20	18 37 57.0	6 40.9	0.774724	22 22	4 20
28	20 45 9.55	+1 47.21	18 31 16.1	+6 41.1	0.773562	22 15	4 21
März 2	20 46 56.76	1 46.19	−18 24 35.0	6 40.9	0.772342	22 9	4 21
4	20 48 42.95	1 45.12	18 17 54.1	6 40.5	0.771066	22 3	4 22
6	20 50 28.07	1 44.03	18 11 13.6	6 39.8	0.769734	21 57	4 23
8	20 52 12.10	1 42.89	18 4 33.8	6 38.8	0.768345	21 51	4 23
10	20 53 54.99	+1 41.71	17 57 55.0	+6 37.5	0.766902	21 45	4 24
12	20 55 36.70	1 40.49	−17 51 17.5	6 35.8	0.765404	21 39	4 25
14	20 57 17.19	1 39.24	17 44 41.7	6 33.9	0.763852	21 32	4 26
16	20 58 56.43	1 37.95	17 38 7.8	6 31.7	0.762246	21 26	4 26
18	21 0 34.38	1 36.61	17 31 36.1	6 29.1	0.760587	21 20	4 27
20	21 2 10.99		17 25 7.0		0.758874	21 14	4 28

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	m s	° ′ ″	′ ″		h m	h m
März 18	21 0 34.38	+1 36.61	−17 31 36.1	+6 29.1	0.760587	21 20	4 27
20	21 2 10.99	1 35.23	17 25 7.0	6 26.2	0.758874	21 14	4 28
22	21 3 46.22	1 33.80	17 18 40.8	6 22.9	0.757109	21 7	4 28
24	21 5 20.02	1 32.31	17 12 17.9	6 19.2	0.755292	21 1	4 29
26	21 6 52.33	+1 30.77	17 5 58.7	+6 15.1	0.753423	20 55	4 29
28	21 8 23.10	1 29.19	−16 59 43.6	6 10.6	0.751504	20 48	4 30
30	21 9 52.29	1 27.56	16 53 33.0	6 5.9	0.749536	20 42	4 31
April 1	21 11 19.85	1 25.90	16 47 27.1	6 0.7	0.747519	20 35	4 31
3	21 12 45.75	1 24.20	16 41 26.4	5 55.2	0.745455	20 29	4 32
5	21 14 9.95	+1 22.44	16 35 31.2	+5 49.3	0.743344	20 23	4 33
7	21 15 32.39	1 20.65	−16 29 41.9	5 43.1	0.741187	20 16	4 33
9	21 16 53.04	1 18.83	16 23 58.8	5 36.6	0.738986	20 9	4 34
11	21 18 11.87	1 16.97	16 18 22.2	5 29.8	0.736741	20 3	4 34
13	21 19 28.84	1 15.05	16 12 52.4	5 22.6	0.734454	19 56	4 35
15	21 20 43.89	+1 13.09	16 7 29.8	+5 15.0	0.732125	19 50	4 36
17	21 21 56.98	1 11.08	−16 2 14.8	5 7.1	0.729755	19 43	4 36
19	21 23 8.06	1 9.02	15 57 7.7	4 58.6	0.727346	19 36	4 37
21	21 24 17.08	1 6.90	15 52 9.1	4 49.8	0.724898	19 29	4 37
23	21 25 23.98	1 4.72	15 47 19.3	4 40.5	0.722413	19 23	4 38
25	21 26 28.70	+1 2.50	15 42 38.8	+4 31.0	0.719893	19 16	4 38
27	21 27 31.20	1 0.23	−15 38 7.8	4 21.1	0.717339	19 9	4 38
29	21 28 31.43	0 57.93	15 33 46.7	4 10.7	0.714753	19 2	4 39
Mai 1	21 29 29.36	0 55.58	15 29 36.0	4 0.1	0.712138	18 55	4 39
3	21 30 24.94	0 53.19	15 25 35.9	3 49.1	0.709494	18 48	4 40
5	21 31 18.13	+0 50.75	15 21 46.8	+3 37.9	0.706824	18 41	4 40
7	21 32 8.88	0 48.28	−15 18 8.9	3 26.4	0.704130	18 34	4 40
9	21 32 57.16	0 45.78	15 14 42.5	3 14.6	0.701414	18 27	4 41
11	21 33 42.94	0 43.23	15 11 27.9	3 2.4	0.698678	18 20	4 41
13	21 34 26.17	0 40.64	15 8 25.5	2 49.9	0.695923	18 13	4 41
15	21 35 6.81	+0 37.99	15 5 35.6	+2 37.0	0.693152	18 6	4 42
17	21 35 44.80	0 35.29	−15 2 58.6	2 23.9	0.690367	17 59	4 42
19	21 36 20.09	0 32.55	15 0 34.7	2 10.4	0.687570	17 51	4 42
21	21 36 52.64	0 29.77	14 58 24.3	1 56.7	0.684764	17 44	4 42
23	21 37 22.41	0 26.95	14 56 27.6	1 42.7	0.681952	17 36	4 43
25	21 37 49.36	+0 24.11	14 54 44.9	+1 28.5	0.679137	17 29	4 43
27	21 38 13.47	0 21.22	−14 53 16.4	1 14.0	0.676323	17 21	4 43
29	21 38 34.69	0 18.31	14 52 2.4	0 59.4	0.673513	17 14	4 43
31	21 38 53.00	0 15.39	14 51 3.0	0 44.7	0.670709	17 6	4 43
Juni 2	21 39 8.39	0 12.46	14 50 18.3	0 30.0	0.667916	16 59	4 43
4	21 39 20.85		14 49 48.3		0.665136	16 51	4 43

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tagbogen
	h m s	m s	° ′ ″	′ ″		h m	h m
Juni 2	21 39 8.39	+0 12.46	−14 50 18.3	+0 30.0	0.667916	16 59	4 43
4	21 39 20.85	0 9.51	14 49 48.3	0 15.1	0.665136	16 51	4 43
6	21 39 30.36	0 6.54	14 49 33.2	+0 0.2	0.662373	16 43	4 43
8	21 39 36.90	0 3.57	14 49 33.0	−0 14.8	0.659630	16 36	4 43
10	21 39 40.47	+0 0.57	14 49 47.8	−0 29.7	0.656911	16 28	4 43
12	21 39 41.04	−0 2.44	−14 50 17.5	0 44.8	0.654219	16 20	4 43
14	21 39 38.60	0 5.44	14 51 2.3	0 59.8	0.651558	16 12	4 43
16	21 39 33.16	0 8.46	14 52 2.1	1 14.7	0.648933	16 4	4 43
18	21 39 24.70	0 11.46	14 53 16.8	1 29.6	0.646346	15 56	4 43
20	21 39 13.24	−0 14.45	14 54 46.4	−1 44.4	0.643803	15 48	4 43
22	21 38 58.79	0 17.41	−14 56 30.8	1 59.0	0.641308	15 40	4 43
24	21 38 41.38	0 20.34	14 58 29.8	2 13.3	0.638865	15 32	4 42
26	21 38 21.04	0 23.22	15 0 43.1	2 27.2	0.636479	15 23	4 42
28	21 37 57.82	0 26.05	15 3 10.3	2 40.8	0.634155	15 15	4 42
30	21 37 31.77	−0 28.82	15 5 51.1	−2 53.9	0.631896	15 7	4 42
Juli 2	21 37 2.95	0 31.53	−15 8 45.0	3 6.5	0.629707	14 58	4 41
4	21 36 31.42	0 34.17	15 11 51.5	3 18.7	0.627592	14 50	4 41
6	21 35 57.25	0 36.74	15 15 10.2	3 30.5	0.625556	14 42	4 41
8	21 35 20.51	0 39.22	15 18 40.7	3 41.7	0.623601	14 33	4 40
10	21 34 41.29	−0 41.63	15 22 22.4	−3 52.5	0.621732	14 25	4 40
12	21 33 59.66	0 43.96	−15 26 14.9	4 2.5	0.619953	14 16	4 40
14	21 33 15.70	0 46.18	15 30 17.4	4 12.0	0.618268	14 7	4 39
16	21 32 29.52	0 48.29	15 34 29.4	4 20.8	0.616681	13 59	4 39
18	21 31 41.23	0 50.28	15 38 50.2	4 29.0	0.615196	13 50	4 38
20	21 30 50.95	−0 52.14	15 43 19.2	−4 36.2	0.613816	13 41	4 38
22	21 29 58.81	0 53.86	−15 47 55.4	4 42.8	0.612545	13 33	4 38
24	21 29 4.95	0 55.42	15 52 38.2	4 48.3	0.611387	13 24	4 37
26	21 28 9.53	0 56.81	15 57 26.5	4 52.9	0.610344	13 15	4 37
28	21 27 12.72	0 58.04	16 2 19.4	4 56.6	0.609420	13 6	4 36
30	21 26 14.68	−0 59.11	16 7 16.0	−4 59.6	0.608615	12 57	4 36
Aug. 1	21 25 15.57	1 0.02	−16 12 15.6	5 1.5	0.607933	12 48	4 35
3	21 24 15.55	1 0.76	16 17 17.1	5 2.6	0.607374	12 40	4 35
5	21 23 14.79	1 1.32	16 22 19.7	5 2.8	0.606940	12 31	4 34
7	21 22 13.47	1 1.71	16 27 22.5	5 2.3	0.606632	12 22	4 34
9	21 21 11.76	−1 1.94	16 32 24.8	−5 0.9	0.606450	12 13	4 33
11	21 20 9.82	1 1.99	−16 37 25.7	4 58.7	0.606395	12 4	4 33
13	21 19 7.83	1 1.85	16 42 24.4	4 55.6	0.606468	11 55	4 32
15	21 18 5.98	1 1.53	16 47 20.0	4 51.7	0.606668	11 46	4 31
17	21 17 4.45	1 1.03	16 52 11.7	4 46.9	0.606996	11 37	4 31
19	21 16 3.42		16 56 58.6		0.607451	11 28	4 30

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tagbogen
	h m s	m	° ′ ″	′ ″		h m	h m
Aug. 17	21 17 4.45	−1 1.03	−16 52 11.7	−4 46.9	0.606996	11 37	4 31
19	21 16 3.42	1 0.32	16 56 58.6	4 41.3	0.607451	11 28	4 30
21	21 15 3.10	0 59.44	17 1 39.9	4 35.0	0.608032	11 19	4 30
23	21 14 3.66	0 58.36	17 6 14.9	4 27.7	0.608737	11 10	4 30
25	21 13 5.30	−0 57.11	17 10 42.6	−4 19.8	0.609565	11 2	4 29
27	21 12 8.19	0 55.68	−17 15 2.4	4 11.2	0.610513	10 53	4 29
29	21 11 12.51	0 54.11	17 19 13.6	4 2.1	0.611578	10 44	4 28
31	21 10 18.40	0 52.37	17 23 15.7	3 52.3	0.612758	10 35	4 28
Sept. 2	21 9 26.03	0 50.50	17 27 8.0	3 42.2	0.614049	10 26	4 27
4	21 8 35.53	−0 48.50	17 30 50.2	−3 31.5	0.615448	10 18	4 27
6	21 7 47.03	0 46.36	−17 34 21.7	3 20.4	0.616952	10 9	4 27
8	21 7 0.67	0 44.10	17 37 42.1	3 9.0	0.618557	10 0	4 26
10	21 6 16.57	0 41.72	17 40 51.1	2 57.2	0.620259	9 52	4 26
12	21 5 34.85	0 39.22	17 43 48.3	2 45.1	0.622056	9 43	4 26
14	21 4 55.63	−0 36.62	17 46 33.4	−2 32.6	0.623944	9 35	4 25
16	21 4 19.01	0 33.90	−17 49 6.0	2 19.7	0.625919	9 26	4 25
18	21 3 45.11	0 31.10	17 51 25.7	2 6.6	0.627976	9 17	4 25
20	21 3 14.01	0 28.20	17 53 32.3	1 53.2	0.630110	9 9	4 25
22	21 2 45.81	0 25.24	17 55 25.5	1 39.7	0.632318	9 1	4 24
24	21 2 20.57	−0 22.21	17 57 5.2	−1 26.0	0.634594	8 53	4 24
26	21 1 58.36	0 19.12	−17 58 31.2	1 12.3	0.636934	8 44	4 24
28	21 1 39.24	0 16.01	17 59 43.5	0 58.5	0.639333	8 36	4 24
30	21 1 23.23	0 12.88	18 0 42.0	0 44.7	0.641787	8 28	4 24
Okt. 2	21 1 10.35	0 9.71	18 1 26.7	0 30.8	0.644291	8 20	4 24
4	21 1 0.64	−0 6.54	18 1 57.5	−0 17.1	0.646841	8 12	4 24
6	21 0 54.10	0 3.34	−18 2 14.6	−0 3.3	0.649433	8 4	4 24
8	21 0 50.76	−0 0.13	18 2 17.9	+0 10.4	0.652062	7 56	4 24
10	21 0 50.63	+0 3.09	18 2 7.5	0 24.2	0.654725	7 48	4 24
12	21 0 53.72	0 6.30	18 1 43.3	0 37.9	0.657417	7 40	4 24
14	21 1 0.02	+0 9.51	18 1 5.4	+0 51.7	0.660136	7 32	4 24
16	21 1 9.53	0 12.71	−18 0 13.7	1 5.5	0.662877	7 25	4 24
18	21 1 22.24	0 15.89	17 59 8.2	1 19.2	0.665636	7 17	4 24
20	21 1 38.13	0 19.06	17 57 49.0	1 32.7	0.668409	7 9	4 24
22	21 1 57.19	0 22.20	17 56 16.3	1 46.3	0.671192	7 2	4 24
24	21 2 19.39	+0 25.30	17 54 30.0	+1 59.6	0.673981	6 54	4 25
26	21 2 44.69	0 28.35	−17 52 30.4	2 12.9	0.676773	6 47	4 25
28	21 3 13.04	0 31.35	17 50 17.5	2 25.9	0.679564	6 39	4 25
30	21 3 44.39	0 34.30	17 47 51.6	2 38.9	0.682351	6 32	4 25
Nov. 1	21 4 18.69	0 37.20	17 45 12.7	2 51.7	0.685132	6 25	4 25
3	21 4 55.89		17 42 21.0		0.687903	6 17	4 26

Wahrer geozentrischer Ort.

0^h Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
		h m s	m s	° ′ ″	′ ″		h m	h m
Nov.	1	21 4 18.69	+0 37.20	−17 45 12.7	+2 51.7	0.685132	6 25	4 25
	3	21 4 55.89	0 40.05	17 42 21.0	3 4.3	0.687903	6 17	4 26
	5	21 5 35.94	0 42.86	17 39 16.7	3 16.9	0.690662	6 10	4 26
	7	21 6 18.80	0 45.61	17 35 59.8	3 29.4	0.693407	6 3	4 26
	9	21 7 4.41	+0 48.31	17 32 30.4	+3 41.7	0.696135	5 56	4 27
	11	21 7 52.72	0 50.97	−17 28 48.7	3 54.0	0.698843	5 49	4 27
	13	21 8 43.69	0 53.57	17 24 54.7	4 6.1	0.701529	5 42	4 28
	15	21 9 37.26	0 56.12	17 20 48.6	4 18.2	0.704191	5 35	4 28
	17	21 10 33.38	0 58.61	17 16 30.4	4 30.1	0.706826	5 28	4 28
	19	21 11 31.99	+1 1.03	17 12 0.3	+4 41.9	0.709432	5 21	4 29
	21	21 12 33.02	1 3.39	−17 7 18.4	4 53.6	0.712007	5 14	4 29
	23	21 13 36.41	1 5.67	17 2 24.8	5 5.0	0.714548	5 7	4 30
	25	21 14 42.08	1 7.89	16 57 19.8	5 16.2	0.717054	5 1	4 30
	27	21 15 49.97	1 10.04	16 52 3.6	5 27.3	0.719524	4 54	4 31
	29	21 17 0.01	+1 12.13	16 46 36.3	+5 38.2	0.721955	4 47	4 32
Dez.	1	21 18 12.14	1 14.15	−16 40 58.1	5 48.9	0.724346	4 40	4 32
	3	21 19 26.29	1 16.10	16 35 9.2	5 59.5	0.726697	4 34	4 33
	5	21 20 42.39	1 18.00	16 29 9.7	6 10.0	0.729005	4 27	4 33
	7	21 22 0.39	1 19.85	16 22 59.7	6 20.3	0.731270	4 20	4 34
	9	21 23 20.24	+1 21.63	16 16 39.4	+6 30.5	0.733490	4 14	4 35
	11	21 24 41.87	1 23.37	−16 10 8.9	6 40.7	0.735665	4 7	4 35
	13	21 26 5.24	1 25.04	16 3 28.2	6 50.7	0.737793	4 1	4 36
	15	21 27 30.28	1 26.65	15 56 37.5	7 0.5	0.739873	3 54	4 37
	17	21 28 56.93	1 28.21	15 49 37.0	7 10.1	0.741904	3 48	4 37
	19	21 30 25.14	+1 29.69	15 42 26.9	+7 19.5	0.743884	3 42	4 38
	21	21 31 54.83	1 31.11	−15 35 7.4	7 28.6	0.745812	3 35	4 39
	23	21 33 25.94	1 32.46	15 27 38.8	7 37.6	0.747688	3 29	4 40
	25	21 34 58.40	1 33.76	15 20 1.2	7 46.4	0.749511	3 22	4 40
	27	21 36 32.16	1 34.99	15 12 14.8	7 54.9	0.751280	3 16	4 41
	29	21 38 7.15	+1 36.17	15 4 19.9	+8 3.3	0.752995	3 10	4 42
	31	21 39 43.32	1 37.28	−14 56 16.6	8 11.6	0.754655	3 4	4 43
	33	21 41 20.60		14 48 5.0		0.756260	2 57	4 43

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
Jan. 1	4 46 0.55	−34.14	+20 40 26.4	−0 38.8	0.911032	10 5	8 2
3	4 45 26.41	32.92	20 39 47.6	0 36.4	0.911882	9 57	8 2
5	4 44 53.49	31.63	20 39 11.2	0 33.8	0.912788	9 48	8 2
7	4 44 21.86	30.28	20 38 37.4	0 31.1	0.913749	9 40	8 2
9	4 43 51.58	−28.86	20 38 6.3	−0 28.1	0.914762	9 31	8 2
11	4 43 22.72	27.39	+20 37 38.2	0 25.1	0.915826	9 23	8 2
13	4 42 55.33	25.86	20 37 13.1	0 22.1	0.916938	9 15	8 2
15	4 42 29.47	24.29	20 36 51.0	0 18.9	0.918096	9 6	8 2
17	4 42 5.18	22.67	20 36 32.1	0 15.5	0.919299	8 58	8 2
19	4 41 42.51	−20.99	20 36 16.6	−0 12.1	0.920544	8 50	8 2
21	4 41 21.52	19.27	+20 36 4.5	0 8.6	0.921830	8 41	8 2
23	4 41 2.25	17.52	20 35 55.9	0 4.9	0.923154	8 33	8 2
25	4 40 44.73	15.72	20 35 51.0	−0 1.3	0.924513	8 25	8 2
27	4 40 29.01	13.89	20 35 49.7	+0 2.5	0.925906	8 17	8 2
29	4 40 15.12	−12.03	20 35 52.2	+0 6.2	0.927331	8 9	8 2
31	4 40 3.09	10.15	+20 35 58.4	0 10.0	0.928784	8 1	8 2
Febr. 2	4 39 52.94	8.27	20 36 8.4	0 13.8	0.930263	7 53	8 2
4	4 39 44.67	6.36	20 36 22.2	0 17.6	0.931766	7 45	8 2
6	4 39 38.31	4.45	20 36 39.8	0 21.3	0.933290	7 37	8 2
8	4 39 33.86	− 2.54	20 37 1.1	+0 25.1	0.934833	7 29	8 2
10	4 39 31.32	− 0.62	+20 37 26.2	0 28.9	0.936393	7 21	8 2
12	4 39 30.70	+ 1.30	20 37 55.1	0 32.7	0.937968	7 13	8 2
14	4 39 32.00	3.21	20 38 27.8	0 36.4	0.939555	7 5	8 2
16	4 39 35.21	5.13	20 39 4.2	0 40.1	0.941153	6 57	8 2
18	4 39 40.34	+ 7.05	20 39 44.3	+0 43.7	0.942759	6 49	8 2
20	4 39 47.39	8.96	+20 40 28.0	0 47.3	0.944372	6 42	8 2
22	4 39 56.35	10.87	20 41 15.3	0 50.8	0.945989	6 34	8 2
24	4 40 7.22	12.76	20 42 6.1	0 54.3	0.947609	6 26	8 3
26	4 40 19.98	14.63	20 43 0.4	0 57.7	0.949229	6 18	8 3
28	4 40 34.61	+16.49	20 43 58.1	+1 0.9	0.950847	6 11	8 3
März 2	4 40 51.10	18.32	+20 44 59.0	1 4.1	0.952461	6 3	8 3
4	4 41 9.42	20.13	20 46 3.1	1 7.1	0.954070	5 56	8 3
6	4 41 29.55	21.92	20 47 10.2	1 10.0	0.955671	5 48	8 3
8	4 41 51.47	23.67	20 48 20.2	1 12.8	0.957262	5 41	8 3
10	4 42 15.14	+25.40	20 49 33.0	+1 15.6	0.958842	5 33	8 3
12	4 42 40.54	27.09	+20 50 48.6	1 18.2	0.960410	5 26	8 4
14	4 43 7.63	28.77	20 52 6.8	1 20.6	0.961965	5 18	8 4
16	4 43 36.40	30.41	20 53 27.4	1 23.0	0.963504	5 11	8 4
18	4 44 6.81	32.02	20 54 50.4	1 25.3	0.965027	5 4	8 4
20	4 44 38.83		20 56 15.7		0.966532	4 56	8 4

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
März 18	4 44 6.81	+32.02	+20 54 50.4	+1 25.3	0.965027	5 4	8 4
20	4 44 38.83	33.62	20 56 15.7	1 27.4	0.966532	4 56	8 4
22	4 45 12.45	35.18	20 57 43.1	1 29.4	0.968017	4 49	8 4
24	4 45 47.63	36.72	20 59 12.5	1 31.3	0.969482	4 41	8 5
26	4 46 24.35	+38.21	21 0 43.8	+1 32.9	0.970925	4 34	8 5
28	4 47 2.56	39.67	+21 2 16.7	1 34.5	0.972344	4 27	8 5
30	4 47 42.23	41.09	21 3 51.2	1 35.9	0.973739	4 20	8 5
April 1	4 48 23.32	42.47	21 5 27.1	1 37.2	0.975109	4 13	8 5
3	4 49 5.79	43.81	21 7 4.3	1 38.3	0.976451	4 5	8 5
5	4 49 49.60	+45.11	21 8 42.6	+1 39.3	0.977766	3 58	8 6
7	4 50 34.71	46.37	+21 10 21.9	1 40.2	0.979052	3 51	8 6
9	4 51 21.08	47.60	21 12 2.1	1 40.9	0.980308	3 44	8 6
11	4 52 8.68	48.79	21 13 43.0	1 41.4	0.981534	3 37	8 6
13	4 52 57.47	49.95	21 15 24.4	1 41.9	0.982730	3 30	8 6
15	4 53 47.42	+51.08	21 17 6.3	+1 42.3	0.983894	3 23	8 7
17	4 54 38.50	52.17	+21 18 48.6	1 42.5	0.985026	3 16	8 7
19	4 55 30.67	53.22	21 20 31.1	1 42.6	0.986125	3 9	8 7
21	4 56 23.89	54.24	21 22 13.7	1 42.6	0.987190	3 2	8 7
23	4 57 18.13	55.22	21 23 56.3	1 42.4	0.988221	2 55	8 7
25	4 58 13.35	+56.15	21 25 38.7	+1 42.2	0.989216	2 48	8 8
27	4 59 9.50	57.05	+21 27 20.9	1 41.7	0.990175	2 41	8 8
29	5 0 6.55	57.91	21 29 2.6	1 41.2	0.991098	2 34	8 8
Mai 1	5 1 4.46	58.73	21 30 43.8	1 40.5	0.991984	2 27	8 8
3	5 2 3.19	59.50	21 32 24.3	1 39.8	0.992832	2 20	8 8
5	5 3 2.69	+60.24	21 34 4.1	+1 38.9	0.993643	2 13	8 9
7	5 4 2.93	60.93	+21 35 43.0	1 38.0	0.994416	2 6	8 9
9	5 5 3.86	61.60	21 37 21.0	1 36.9	0.995151	1 59	8 9
11	5 6 5.46	62.22	21 38 57.9	1 35.8	0.995847	1 52	8 9
13	5 7 7.68	62.82	21 40 33.7	1 34.5	0.996504	1 46	8 9
15	5 8 10.50	+63.38	21 42 8.2	+1 33.2	0.997122	1 39	8 10
17	5 9 13.88	63.91	+21 43 41.4	1 31.8	0.997701	1 32	8 10
19	5 10 17.79	64.40	21 45 13.2	1 30.3	0.998240	1 25	8 10
21	5 11 22.19	64.85	21 46 43.5	1 28.7	0.998739	1 18	8 10
23	5 12 27.04	65.26	21 48 12.2	1 27.1	0.999197	1 12	8 10
25	5 13 32.30	+65.63	21 49 39.3	+1 25.3	0.999615	1 5	8 11
27	5 14 37.93	65.97	+21 51 4.6	1 23.6	0.999992	0 58	8 11
29	5 15 43.90	66.25	21 52 28.2	1 21.7	1.000328	0 51	8 11
31	5 16 50.15	66.50	21 53 49.9	1 19.8	1.000622	0 44	8 11
Juni 2	5 17 56.65	66.72	21 55 9.7	1 17.8	1.000875	0 38	8 11
4	5 19 3.37		21 56 27.5		1.001087	0 31	8 11

Wahrer geozentrischer Ort.

0h Mittl. Zeit		AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Juni	2	5 17 56.65	+66.72	+21 55 9.7	+1 17.8	1.000875	0 38	8 11
	4	5 19 3.37	66.90	21 56 27.5	1 15.8	1.001087	0 31	8 11
	6	5 20 10.27	67.04	21 57 43.3	1 13.8	1.001259	0 24	8 11
	8	5 21 17.31	67.14	21 58 57.1	1 11.6	1.001389	0 17	8 12
	10	5 22 24.45	+67.23	22 0 8.7	+1 9.5	1.001478	0 11	8 12
	12	5 23 31.68	67.28	+22 1 18.2	1 7.3	1.001526	0 4	8 12
	14	5 24 38.96	67.29	22 2 25.5	1 5.1	1.001533	23 57	8 12
	16	5 25 46.25	67.27	22 3 30.6	1 2.9	1.001499	23 50	8 12
	18	5 26 53.52	67.21	22 4 33.5	1 0.7	1.001424	23 44	8 12
	20	5 28 0.73	+67.10	22 5 34.2	+0 58.3	1.001307	23 37	8 12
	22	5 29 7.83	66.95	+22 6 32.5	0 56.1	1.001149	23 30	8 13
	24	5 30 14.78	66.77	22 7 28.6	0 53.7	1.000949	23 23	8 13
	26	5 31 21.55	66.55	22 8 22.3	0 51.5	1.000708	23 16	8 13
	28	5 32 28.10	66.29	22 9 13.8	0 49.1	1.000427	23 10	8 13
	30	5 33 34.39	+65.99	22 10 2.9	+0 46.9	1.000105	23 3	8 13
Juli	2	5 34 40.38	65.65	+22 10 49.8	0 44.6	0.999742	22 56	8 13
	4	5 35 46.03	65.29	22 11 34.4	0 42.2	0.999339	22 49	8 13
	6	5 36 51.32	64.89	22 12 16.6	0 40.0	0.998895	22 43	8 13
	8	5 37 56.21	64.46	22 12 56.6	0 37.7	0.998412	22 36	8 13
	10	5 39 0.67	+63.99	22 13 34.3	+0 35.5	0.997890	22 29	8 13
	12	5 40 4.66	63.48	+22 14 9.8	0 33.3	0.997329	22 22	8 14
	14	5 41 8.14	62.94	22 14 43.1	0 31.1	0.996729	22 15	8 14
	16	5 42 11.08	62.37	22 15 14.2	0 28.9	0.996090	22 8	8 14
	18	5 43 13.45	61.75	22 15 43.1	0 26.8	0.995412	22 2	8 14
	20	5 44 15.20	+61.09	22 16 9.9	+0 24.6	0.994695	21 55	8 14
	22	5 45 16.29	60.39	+22 16 34.5	0 22.6	0.993940	21 48	8 14
	24	5 46 16.68	59.64	22 16 57.1	0 20.6	0.993148	21 41	8 14
	26	5 47 16.32	58.87	22 17 17.7	0 18.6	0.992318	21 34	8 14
	28	5 48 15.19	58.05	22 17 36.3	0 16.7	0.991452	21 27	8 14
	30	5 49 13.24	+57.19	22 17 53.0	+0 14.8	0.990549	21 20	8 14
Aug.	1	5 50 10.43	56.31	+22 18 7.8	0 13.1	0.989611	21 13	8 14
	3	5 51 6.74	55.39	22 18 20.9	0 11.3	0.988638	21 6	8 14
	5	5 52 2.13	54.44	22 18 32.2	0 9.7	0.987630	20 59	8 14
	7	5 52 56.57	53.45	22 18 41.9	0 8.0	0.986589	20 52	8 14
	9	5 53 50.02	+52.42	22 18 49.9	+0 6.5	0.985514	20 45	8 14
	11	5 54 42.44	51.36	+22 18 56.4	0 5.0	0.984407	20 38	8 14
	13	5 55 33.80	50.25	22 19 1.4	0 3.5	0.983267	20 31	8 14
	15	5 56 24.05	49.11	22 19 4.9	0 2.2	0.982096	20 24	8 14
	17	5 57 13.16	47.93	22 19 7.1	+0 0.9	0.980894	20 17	8 14
	19	5 58 1.09		22 19 8.0		0.979661	20 10	8 14

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
Aug. 17	5 57 13.16	+47.93	+22 19 7.1	+0 0.9	0.980894	20 17	8 14
19	5 58 1.09	46.70	22 19 8.0	−0 0.3	0.979661	20 10	8 14
21	5 58 47.79	45.43	22 19 7.7	0 1.4	0.978399	20 3	8 14
23	5 59 33.22	44.13	22 19 6.3	0 2.5	0.977108	19 56	8 14
25	6 0 17.35	+42.79	22 19 3.8	−0 3.5	0.975790	19 49	8 14
27	6 1 0.14	41.42	+22 19 0.3	0 4.3	0.974445	19 42	8 14
29	6 1 41.56	40.01	22 18 56.0	0 5.2	0.973075	19 34	8 14
31	6 2 21.57	38.58	22 18 50.8	0 5.9	0.971681	19 27	8 14
Sept. 2	6 3 0.15	37.12	22 18 44.9	0 6.5	0.970263	19 20	8 14
4	6 3 37.27	+35.62	22 18 38.4	−0 7.1	0.968823	19 13	8 14
6	6 4 12.89	34.09	+22 18 31.3	0 7.5	0.967362	19 5	8 14
8	6 4 46.98	32.52	22 18 23.8	0 8.0	0.965881	18 58	8 14
10	6 5 19.50	30.93	22 18 15.8	0 8.3	0.964381	18 51	8 14
12	6 5 50.43	29.28	22 18 7.5	0 8.6	0.962863	18 43	8 14
14	6 6 19.71	+27.63	22 17 58.9	−0 8.9	0.961329	18 36	8 14
16	6 6 47.34	25.93	+22 17 50.0	0 9.0	0.959779	18 29	8 14
18	6 7 13.27	24.20	22 17 41.0	0 9.0	0.958216	18 21	8 14
20	6 7 37.47	22.44	22 17 32.0	0 9.0	0.956641	18 14	8 14
22	6 7 59.91	20.65	22 17 23.0	0 8.8	0.955055	18 6	8 14
24	6 8 20.56	+18.85	22 17 14.2	−0 8.7	0.953461	17 59	8 14
26	6 8 39.41	17.03	+22 17 5.5	0 8.5	0.951860	17 51	8 14
28	6 8 56.44	15.19	22 16 57.0	0 8.2	0.950253	17 43	8 14
30	6 9 11.63	13.34	22 16 48.8	0 7.8	0.948643	17 36	8 14
Okt. 2	6 9 24.97	11.47	22 16 41.0	0 7.4	0.947032	17 28	8 14
4	6 9 36.44	+ 9.58	22 16 33.6	−0 7.0	0.945421	17 20	8 14
6	6 9 46.02	7.68	+22 16 26.6	0 6.5	0.943811	17 13	8 14
8	6 9 53.70	5.78	22 16 20.1	0 6.0	0.942205	17 5	8 14
10	6 9 59.48	3.85	22 16 14.1	0 5.5	0.940604	16 57	8 14
12	6 10 3.33	+ 1.92	22 16 8.6	0 4.9	0.939011	16 49	8 14
14	6 10 5.25	− 0.02	22 16 3.7	−0 4.3	0.937427	16 41	8 14
16	6 10 5.23	1.97	+22 15 59.4	0 3.7	0.935855	16 34	8 14
18	6 10 3.26	3.91	22 15 55.7	0 3.0	0.934297	16 26	8 14
20	6 9 59.35	5.84	22 15 52.7	0 2.3	0.932755	16 18	8 14
22	6 9 53.51	7.76	22 15 50.4	0 1.6	0.931232	16 10	8 14
24	6 9 45.75	− 9.66	22 15 48.8	−0 1.0	0.929730	16 2	8 14
26	6 9 36.09	11.54	+22 15 47.8	−0 0.3	0.928251	15 54	8 14
28	6 9 24.55	13.41	22 15 47.5	+0 0.4	0.926798	15 46	8 14
30	6 9 11.14	15.25	22 15 47.9	0 1.0	0.925372	15 37	8 14
Nov. 1	6 8 55.89	17.05	22 15 48.9	0 1.7	0.923976	15 29	8 14
3	6 8 38.84		22 15 50.6		0.922612	15 21	8 14

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
Nov. 1	6h 8m 55s.89	s −17.05	+22° 15′ 48″.9	′ ″ +0 1.7	0.923976	15h 29m	8h 14m
3	6 8 38.84	18.83	22 15 50.6	0 2.2	0.922612	15 21	8 14
5	6 8 20.01	20.58	22 15 52.8	0 2.8	0.921282	15 13	8 14
7	6 7 59.43	22.29	22 15 55.6	0 3.4	0.919988	15 5	8 14
9	6 7 37.14	−23.97	22 15 59.0	+0 3.9	0.918733	14 57	8 14
11	6 7 13.17	25.61	+22 16 2.9	0 4.4	0.917519	14 48	8 14
13	6 6 47.56	27.19	22 16 7.3	0 4.8	0.916347	14 40	8 14
15	6 6 20.37	28.72	22 16 12.1	0 5.3	0.915221	14 32	8 14
17	6 5 51.65	30.19	22 16 17.4	0 5.7	0.914143	14 23	8 14
19	6 5 21.46	−31.60	22 16 23.1	+0 6.1	0.913114	14 15	8 14
21	6 4 49.86	32.93	+22 16 29.2	0 6.3	0.912137	14 6	8 14
23	6 4 16.93	34.19	22 16 35.5	0 6.6	0.911214	13 58	8 14
25	6 3 42.74	35.37	22 16 42.1	0 6.8	0.910347	13 50	8 14
27	6 3 7.37	36.48	22 16 48.9	0 7.0	0.909537	13 41	8 14
29	6 2 30.89	−37.50	22 16 55.9	+0 7.1	0.908786	13 33	8 14
Dez. 1	6 1 53.39	38.45	+22 17 3.0	0 7.2	0.908095	13 24	8 14
3	6 1 14.94	39.32	22 17 10.2	0 7.2	0.907465	13 15	8 14
5	6 0 35.62	40.10	22 17 17.4	0 7.2	0.906897	13 7	8 14
7	5 59 55.52	40.80	22 17 24.6	0 7.2	0.906393	12 58	8 14
9	5 59 14.72	−41.40	22 17 31.8	+0 7.2	0.905953	12 50	8 14
11	5 58 33.32	41.90	+22 17 39.0	0 7.2	0.905579	12 41	8 14
13	5 57 51.42	42.32	22 17 46.2	0 7.2	0.905273	12 33	8 14
15	5 57 9.10	42.62	22 17 53.4	0 7.1	0.905035	12 24	8 14
17	5 56 26.48	42.83	22 18 0.5	0 7.0	0.904866	12 16	8 14
19	5 55 43.65	−42.94	22 18 7.5	+0 6.9	0.904766	12 7	8 14
21	5 55 0.71	42.93	+22 18 14.4	0 6.8	0.904734	11 58	8 14
23	5 54 17.78	42.83	22 18 21.2	0 6.8	0.904772	11 50	8 14
25	5 53 34.95	42.62	22 18 28.0	0 6.8	0.904879	11 41	8 14
27	5 52 52.33	42.31	22 18 34.8	0 6.7	0.905055	11 33	8 14
29	5 52 10.02	−41.91	22 18 41.5	+0 6.7	0.905299	11 24	8 14
31	5 51 28.11	41.42	+22 18 48.2	0 6.6	0.905610	11 15	8 14
33	5 50 46.69		22 18 54.8		0.905988	11 7	8 14

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
Jan. 1	20 34 21.01	+26.82	−19 20 51.1	+1 38.4	1.316535	1 53	4 15
3	20 34 47.83	27.08	19 19 12.7	1 39.5	1.316845	1 46	4 16
5	20 35 14.91	27.35	19 17 33.2	1 40.6	1.317133	1 38	4 16
7	20 35 42.26	27.60	19 15 52.6	1 41.6	1.317398	1 31	4 16
9	20 36 9.86	+27.83	19 14 11.0	+1 42.6	1.317640	1 24	4 16
11	20 36 37.69	28.03	−19 12 28.4	1 43.5	1.317860	1 16	4 16
13	20 37 5.72	28.20	19 10 44.9	1 44.3	1.318057	1 9	4 16
15	20 37 33.92	28.35	19 9 0.6	1 45.1	1.318231	1 1	4 17
17	20 38 2.27	28.47	19 7 15.5	1 45.8	1.318381	0 54	4 17
19	20 38 30.74	+28.57	19 5 29.7	+1 46.3	1.318508	0 47	4 17
21	20 38 59.31	28.64	−19 3 43.4	1 46.8	1.318612	0 39	4 17
23	20 39 27.95	28.69	19 1 56.6	1 47.1	1.318692	0 32	4 17
25	20 39 56.64	28.71	19 0 9.5	1 47.4	1.318749	0 24	4 18
27	20 40 25.35	28.72	18 58 22.1	1 47.6	1.318782	0 17	4 18
29	20 40 54.07	+28.69	18 56 34.5	+1 47.7	1.318791	0 9	4 18
31	20 41 22.76	28.65	−18 54 46.8	1 47.7	1.318776	0 2	4 18
Febr. 2	20 41 51.41	28.57	18 52 59.1	1 47.6	1.318738	23 55	4 18
4	20 42 19.98	28.48	18 51 11.5	1 47.4	1.318676	23 47	4 19
6	20 42 48.46	28.35	18 49 24.1	1 47.1	1.318590	23 40	4 19
8	20 43 16.81	+28.21	18 47 37.0	+1 46.7	1.318481	23 32	4 19
10	20 43 45.02	28.04	−18 45 50.3	1 46.3	1.318349	23 25	4 19
12	20 44 13.06	27.86	18 44 4.0	1 45.7	1.318194	23 18	4 19
14	20 44 40.92	27.64	18 42 18.3	1 45.0	1.318016	23 10	4 19
16	20 45 8.56	27.40	18 40 33.3	1 44.3	1.317815	23 3	4 20
18	20 45 35.96	+27.15	18 38 49.0	+1 43.5	1.317592	22 55	4 20
20	20 46 3.11	26.86	−18 37 5.5	1 42.6	1.317346	22 48	4 20
22	20 46 29.97	26.56	18 35 22.9	1 41.4	1.317078	22 40	4 20
24	20 46 56.53	26.23	18 33 41.5	1 40.3	1.316788	22 33	4 20
26	20 47 22.76	25.89	18 32 1.2	1 39.2	1.316477	22 26	4 21
28	20 47 48.65	+25.52	18 30 22.0	+1 37.9	1.316144	22 18	4 21
März 2	20 48 14.17	25.13	−18 28 44.1	1 36.4	1.315791	22 10	4 21
4	20 48 39.30	24.72	18 27 7.7	1 34.9	1.315418	22 3	4 21
6	20 49 4.02	24.29	18 25 32.8	1 33.4	1.315025	21 56	4 21
8	20 49 28.31	23.84	18 23 59.4	1 31.7	1.314611	21 48	4 21
10	20 49 52.15	+23.36	18 22 27.7	+1 29.8	1.314178	21 41	4 22
12	20 50 15.51	22.87	−18 20 57.9	1 28.0	1.313727	21 33	4 22
14	20 50 38.38	22.37	18 19 29.9	1 26.1	1.313258	21 26	4 22
16	20 51 0.75	21.84	18 18 3.8	1 24.1	1.312770	21 18	4 22
18	20 51 22.59	21.30	18 16 39.7	1 21.9	1.312265	21 11	4 22
20	20 51 43.89		18 15 17.8		1.311743	21 3	4 22

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
März 18	20 51 22.59	+21.30	−18 16 39.7	+1 21.9	1.312265	21 11	4 22
20	20 51 43.89	20.74	18 15 17.8	1 19.8	1.311743	21 3	4 22
22	20 52 4.63	20.17	18 13 58.0	1 17.6	1.311205	20 56	4 22
24	20 52 24.80	19.57	18 12 40.4	1 15.2	1.310650	20 48	4 23
26	20 52 44.37	+18.95	18 11 25.2	+1 12.8	1.310080	20 41	4 23
28	20 53 3.32	18.33	−18 10 12.4	1 10.3	1.309496	20 33	4 23
30	20 53 21.65	17.68	18 9 2.1	1 7.8	1.308897	20 25	4 23
April 1	20 53 39.33	17.02	18 7 54.3	1 5.1	1.308284	20 18	4 23
3	20 53 56.35	16.35	18 6 49.2	1 2.4	1.307658	20 10	4 23
5	20 54 12.70	+15.66	18 5 46.8	+0 59.6	1.307021	20 3	4 23
7	20 54 28.36	14.98	−18 4 47.2	0 56.9	1.306373	19 55	4 23
9	20 54 43.34	14.27	18 3 50.3	0 54.0	1.305713	19 47	4 24
11	20 54 57.61	13.55	18 2 56.3	0 51.1	1.305043	19 40	4 24
13	20 55 11.16	12.82	18 2 5.2	0 48.1	1.304364	19 32	4 24
15	20 55 23.98	+12.09	18 1 17.1	+0 45.1	1.303676	19 24	4 24
17	20 55 36.07	11.34	−18 0 32.0	0 42.1	1.302979	19 17	4 24
19	20 55 47.41	10.58	17 59 49.9	0 39.0	1.302275	19 9	4 24
21	20 55 57.99	9.82	17 59 10.9	0 35.8	1.301565	19 1	4 24
23	20 56 7.81	9.04	17 58 35.1	0 32.7	1.300849	18 54	4 24
25	20 56 16.85	+ 8.26	17 58 2.4	+0 29.4	1.300128	18 46	4 24
27	20 56 25.11	7.48	−17 57 33.0	0 26.2	1.299402	18 38	4 24
29	20 56 32.59	6.69	17 57 6.8	0 22.9	1.298674	18 30	4 24
Mai 1	20 56 39.28	5.89	17 56 43.9	0 19.6	1.297943	18 23	4 24
3	20 56 45.17	5.09	17 56 24.3	0 16.3	1.297210	18 15	4 24
5	20 56 50.26	+ 4.30	17 56 8.0	+0 13.0	1.296476	18 7	4 24
7	20 56 54.56	3.50	−17 55 55.0	0 9.8	1.295742	17 59	4 24
9	20 56 58.06	2.70	17 55 45.2	0 6.5	1.295009	17 51	4 24
11	20 57 0.76	1.90	17 55 38.7	+0 3.2	1.294277	17 43	4 24
13	20 57 2.66	1.11	17 55 35.5	−0 0.1	1.293547	17 36	4 24
15	20 57 3.77	+ 0.31	17 55 35.6	−0 3.4	1.292821	17 28	4 24
17	20 57 4.08	− 0.49	−17 55 39.0	0 6.6	1.292099	17 20	4 24
19	20 57 3.59	1.29	17 55 45.6	0 9.9	1.291382	17 12	4 24
21	20 57 2.30	2.07	17 55 55.5	0 13.1	1.290670	17 4	4 24
23	20 57 0.23	2.85	17 56 8.6	0 16.3	1.289966	16 56	4 24
25	20 56 57.38	− 3.64	17 56 24.9	−0 19.6	1.289269	16 48	4 24
27	20 56 53.74	4.41	−17 56 44.5	0 22.8	1.288580	16 40	4 24
29	20 56 49.33	5.17	17 57 7.3	0 25.7	1.287900	16 32	4 24
31	20 56 44.16	5.93	17 57 33.0	0 28.7	1.287231	16 24	4 24
Juni 2	20 56 38.23	6.66	17 58 1.7	0 31.7	1.286573	16 16	4 24
4	20 56 31.57		17 58 33.4		1.285926	16 8	4 24

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
Juni 2	20 56 38.23	−6.66	−17 58 1.7	−0 31.7	1.286573	16 16	4 24
4	20 56 31.57	7.38	17 58 33.4	0 34.6	1.285926	16 8	4 24
6	20 56 24.19	8.08	17 59 8.0	0 37.4	1.285292	16 0	4 24
8	20 56 16.11	8.78	17 59 45.4	0 40.1	1.284672	15 52	4 24
10	20 56 7.33	−9.47	18 0 25.5	−0 42.9	1.284067	15 44	4 24
12	20 55 57.86	10.14	−18 1 8.4	0 45.6	1.283476	15 36	4 24
14	20 55 47.72	10.80	18 1 54.0	0 48.1	1.282901	15 28	4 24
16	20 55 36.92	11.44	18 2 42.1	0 50.5	1.282342	15 20	4 24
18	20 55 25.48	12.06	18 3 32.6	0 53.0	1.281800	15 12	4 24
20	20 55 13.42	−12.67	18 4 25.6	−0 55.3	1.281276	15 4	4 23
22	20 55 0.75	13.24	−18 5 20.9	0 57.5	1.280770	14 56	4 23
24	20 54 47.51	13.81	18 6 18.4	0 59.6	1.280285	14 48	4 23
26	20 54 33.70	14.36	18 7 18.0	1 1.7	1.279820	14 40	4 23
28	20 54 19.34	14.87	18 8 19.7	1 3.6	1.279375	14 32	4 23
30	20 54 4.47	−15.35	18 9 23.3	−1 5.3	1.278952	14 23	4 23
Juli 2	20 53 49.12	15.82	−18 10 28.6	1 7.0	1.278551	14 15	4 23
4	20 53 33.30	16.26	18 11 35.6	1 8.6	1.278173	14 7	4 23
6	20 53 17.04	16.67	18 12 44.2	1 10.0	1.277818	13 59	4 23
8	20 53 0.37	17.06	18 13 54.2	1 11.2	1.277486	13 51	4 23
10	20 52 43.31	−17.42	18 15 5.4	−1 12.5	1.277179	13 43	4 22
12	20 52 25.89	17.75	−18 16 17.9	1 13.7	1.276896	13 34	4 22
14	20 52 8.14	18.07	18 17 31.6	1 14.6	1.276637	13 26	4 22
16	20 51 50.07	18.34	18 18 46.2	1 15.4	1.276404	13 18	4 22
18	20 51 31.73	18.59	18 20 1.6	1 16.1	1.276197	13 9	4 22
20	20 51 13.14	−18.81	18 21 17.7	−1 16.8	1.276016	13 1	4 22
22	20 50 54.33	19.00	−18 22 34.5	1 17.3	1.275860	12 53	4 22
24	20 50 35.33	19.15	18 23 51.8	1 17.5	1.275732	12 45	4 21
26	20 50 16.18	19.28	18 25 9.3	1 17.7	1.275631	12 37	4 21
28	20 49 56.90	19.36	18 26 27.0	1 17.9	1.275556	12 29	4 21
30	20 49 37.54	−19.42	18 27 44.9	−1 17.8	1.275508	12 21	4 21
Aug. 1	20 49 18.12	19.45	−18 29 2.7	1 17.5	1.275488	12 12	4 21
3	20 48 58.67	19.44	18 30 20.2	1 17.2	1.275495	12 4	4 21
5	20 48 39.23	19.41	18 31 37.4	1 16.9	1.275529	11 56	4 21
7	20 48 19.82	19.34	18 32 54.3	1 16.3	1.275591	11 48	4 20
9	20 48 0.48	−19.24	18 34 10.6	−1 15.5	1.275680	11 40	4 20
11	20 47 41.24	19.11	−18 35 26.1	1 14.7	1.275795	11 31	4 20
13	20 47 22.13	18.96	18 36 40.8	1 13.9	1.275937	11 23	4 20
15	20 47 3.17	18.76	18 37 54.7	1 12.9	1.276106	11 15	4 20
17	20 46 44.41	18.54	18 39 7.6	1 11.6	1.276301	11 7	4 20
19	20 46 25.87		18 40 19.2		1.276523	10 59	4 20

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	′ ″		h m	h m
Aug. 17	20 46 44.41	−18.54	−18 39 7.6	−1 11.6	1.276301	11 7	4 20
19	20 46 25.87	18.29	18 40 19.2	1 10.4	1.276523	10 59	4 20
21	20 46 7.58	18.00	18 41 29.6	1 9.1	1.276771	10 50	4 20
23	20 45 49.58	17.67	18 42 38.7	1 7.5	1.277045	10 42	4 19
25	20 45 31.91	−17.32	18 43 46.2	−1 5.8	1.277344	10 34	4 19
27	20 45 14.59	16.94	−18 44 52.0	1 4.1	1.277668	10 26	4 19
29	20 44 57.65	16.53	18 45 56.1	1 2.4	1.278017	10 18	4 19
31	20 44 41.12	16.09	18 46 58.5	1 0.4	1.278390	10 10	4 19
Sept. 2	20 44 25.03	15.62	18 47 58.9	0 58.3	1.278786	10 1	4 19
4	20 44 9.41	−15.14	18 48 57.2	−0 56.3	1.279205	9 53	4 19
6	20 43 54.27	14.63	−18 49 53.5	0 54.2	1.279646	9 45	4 19
8	20 43 39.64	14.10	18 50 47.7	0 51.9	1.280109	9 37	4 19
10	20 43 25.54	13.54	18 51 39.6	0 49.5	1.280594	9 29	4 18
12	20 43 12.00	12.96	18 52 29.1	0 47.1	1.281099	9 21	4 18
14	20 42 59.04	−12.35	18 53 16.2	−0 44.7	1.281623	9 13	4 18
16	20 42 46.69	11.72	−18 54 0.9	0 42.1	1.282167	9 5	4 18
18	20 42 34.97	11.07	18 54 43.0	0 39.4	1.282730	8 56	4 18
20	20 42 23.90	10.39	18 55 22.4	0 36.8	1.283310	8 48	4 18
22	20 42 13.51	9.70	18 55 59.2	0 34.1	1.283907	8 40	4 18
24	20 42 3.81	− 8.99	18 56 33.3	−0 31.2	1.284520	8 32	4 18
26	20 41 54.82	8.27	−18 57 4.5	0 28.3	1.285149	8 24	4 18
28	20 41 46.55	7.53	18 57 32.8	0 25.4	1.285792	8 16	4 18
30	20 41 39.02	6.77	18 57 58.2	0 22.5	1.286448	8 8	4 18
Okt. 2	20 41 32.25	6.01	18 58 20.7	0 19.5	1.287118	8 0	4 18
4	20 41 26.24	− 5.24	18 58 40.2	−0 16.5	1.287800	7 52	4 18
6	20 41 21.00	4.46	−18 58 56.7	0 13.5	1.288492	7 44	4 18
8	20 41 16.54	3.66	18 59 10.2	0 10.4	1.289194	7 36	4 18
10	20 41 12.88	2.86	18 59 20.6	0 7.3	1.289906	7 28	4 18
12	20 41 10.02	2.04	18 59 27.9	0 4.2	1.290627	7 20	4 18
14	20 41 7.98	− 1.22	18 59 32.1	−0 1.1	1.291355	7 13	4 18
16	20 41 6.76	− 0.39	−18 59 33.2	+0 2.0	1.292089	7 5	4 18
18	20 41 6.37	+ 0.45	18 59 31.2	0 5.3	1.292830	6 57	4 18
20	20 41 6.82	1.28	18 59 25.9	0 8.4	1.293576	6 49	4 18
22	20 41 8.10	2.12	18 59 17.5	0 11.6	1.294325	6 41	4 18
24	20 41 10.22	+ 2.95	18 59 5.9	+0 14.8	1.295077	6 33	4 18
26	20 41 13.17	3.79	−18 58 51.1	0 18.0	1.295832	6 25	4 18
28	20 41 16.96	4.63	18 58 33.1	0 21.1	1.296588	6 17	4 18
30	20 41 21.59	5.45	18 58 12.0	0 24.2	1.297343	6 9	4 18
Nov. 1	20 41 27.04	6.28	18 57 47.8	0 27.4	1.298097	6 2	4 18
3	20 41 33.32		18 57 20.4		1.298851	5 54	4 18

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Nov. 1	20 41 27.04	+ 6.28	—18 57 47.8	+0 27.4	1.298097	6 2	4 18
3	20 41 33.32	7.11	18 57 20.4	0 30.5	1.298851	5 54	4 18
5	20 41 40.43	7.92	18 56 49.9	0 33.6	1.299602	5 46	4 18
7	20 41 48.35	8.74	18 56 16.3	0 36.7	1.300350	5 39	4 18
9	20 41 57.09	+ 9.54	18 55 39.6	+0 39.7	1.301093	5 31	4 18
11	20 42 6.63	10.35	—18 54 59.9	0 42.8	1.301832	5 23	4 18
13	20 42 16.98	11.14	18 54 17.1	0 45.8	1.302566	5 15	4 18
15	20 42 28.12	11.92	18 53 31.3	0 48.8	1.303292	5 8	4 18
17	20 42 40.04	12.69	18 52 42.5	0 51.7	1.304011	5 0	4 18
19	20 42 52.73	+13.46	18 51 50.8	+0 54.5	1.304723	4 52	4 18
21	20 43 6.19	14.20	—18 50 56.3	0 57.5	1.305425	4 45	4 19
23	20 43 20.39	14.93	18 49 58.8	1 0.5	1.306116	4 37	4 19
25	20 43 35.32	15.65	18 48 58.3	1 3.2	1.306797	4 29	4 19
27	20 43 50.97	16.35	18 47 55.1	1 5.8	1.307467	4 22	4 19
29	20 44 7.32	+17.03	18 46 49.3	+1 8.5	1.308126	4 14	4 19
Dez. 1	20 44 24.35	17.70	—18 45 40.8	1 11.1	1.308772	4 6	4 19
3	20 44 42.05	18.36	18 44 29.7	1 13.7	1.309405	3 59	4 19
5	20 45 0.41	19.00	18 43 16.0	1 16.1	1.310024	3 51	4 19
7	20 45 19.41	19.62	18 41 59.9	1 18.6	1.310629	3 44	4 20
9	20 45 39.03	+20.23	18 40 41.3	+1 21.0	1.311218	3 36	4 20
11	20 45 59.26	20.81	—18 39 20.3	1 23.4	1.311791	3 29	4 20
13	20 46 20.07	21.38	18 37 56.9	1 25.7	1.312348	3 21	4 20
15	20 46 41.45	21.93	18 36 31.2	1 27.8	1.312889	3 14	4 20
17	20 47 3.38	22.45	18 35 3.4	1 30.0	1.313411	3 6	4 20
19	20 47 25.83	+22.95	18 33 33.4	+1 32.1	1.313915	2 59	4 20
21	20 47 48.78	23.44	—18 32 1.3	1 34.2	1.314401	2 51	4 21
23	20 48 12.22	23.90	18 30 27.1	1 36.1	1.314868	2 44	4 21
25	20 48 36.12	24.34	18 28 51.0	1 37.9	1.315315	2 36	4 21
27	20 49 0.46	24.75	18 27 13.1	1 39.7	1.315742	2 29	4 21
29	20 49 25.21	+25.14	18 25 33.4	+1 41.2	1.316149	2 21	4 21
31	20 49 50.35	25.52	—18 23 52.2	1 42.3	1.316535	2 14	4 21
33	20 50 15.87		18 22 9.9		1.316901	2 6	4 22

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
Jan. 1	7 57 3.38	−13.51	+20 16 26.7	+38.4	1.463113	13 16	8 0
3	7 56 49.87	13.67	20 17 5.1	38.9	1.462970	13 8	8 0
5	7 56 36.20	13.82	20 17 44.0	39.4	1.462846	13 0	8 0
7	7 56 22.38	13.93	20 18 23.4	39.7	1.462740	12 52	8 0
9	7 56 8.45	−14.03	20 19 3.1	+39.9	1.462652	12 44	8 0
11	7 55 54.42	14.10	+20 19 43.0	40.1	1.462582	12 35	8 0
13	7 55 40.32	14.15	20 20 23.1	40.2	1.462531	12 27	8 0
15	7 55 26.17	14.18	20 21 3.3	40.3	1.462498	12 19	8 0
17	7 55 11.99	14.19	20 21 43.6	40.4	1.462484	12 11	8 0
19	7 54 57.80	−14.18	20 22 24.0	+40.3	1.462489	12 3	8 0
21	7 54 43.62	14.14	+20 23 4.3	40.1	1.462513	11 55	8 0
23	7 54 29.48	14.07	20 23 44.4	40.0	1.462555	11 47	8 0
25	7 54 15.41	13.99	20 24 24.4	39.8	1.462616	11 39	8 1
27	7 54 1.42	13.87	20 25 4.2	39.5	1.462695	11 30	8 1
29	7 53 47.55	−13.74	20 25 43.7	+39.0	1.462793	11 22	8 1
31	7 53 33.81	13.58	+20 26 22.7	38.6	1.462910	11 14	8 1
Febr. 2	7 53 20.23	13.40	20 27 1.3	38.2	1.463044	11 6	8 1
4	7 53 6.83	13.20	20 27 39.5	37.7	1.463196	10 58	8 1
6	7 52 53.63	12.97	20 28 17.2	37.0	1.463366	10 50	8 1
8	7 52 40.66	−12.73	20 28 54.2	+36.4	1.463552	10 42	8 1
10	7 52 27.93	12.47	+20 29 30.6	35.7	1.463755	10 34	8 1
12	7 52 15.46	12.19	20 30 6.3	35.0	1.463975	10 26	8 1
14	7 52 3.27	11.89	20 30 41.3	34.1	1.464212	10 18	8 1
16	7 51 51.38	11.57	20 31 15.4	33.3	1.464464	10 9	8 1
18	7 51 39.81	−11.24	20 31 48.7	+32.4	1.464732	10 1	8 1
20	7 51 28.57	10.88	+20 32 21.1	31.4	1.465015	9 53	8 1
22	7 51 17.69	10.51	20 32 52.5	30.4	1.465313	9 45	8 2
24	7 51 7.18	10.11	20 33 22.9	29.3	1.465626	9 37	8 2
26	7 50 57.07	9.71	20 33 52.2	28.3	1.465952	9 29	8 2
28	7 50 47.36	−9.28	20 34 20.5	+27.1	1.466292	9 21	8 2
März 2	7 50 38.08	8.83	+20 34 47.6	26.0	1.466645	9 13	8 2
4	7 50 29.25	8.38	20 35 13.6	24.8	1.467011	9 5	8 2
6	7 50 20.87	7.92	20 35 38.4	23.6	1.467388	8 57	8 2
8	7 50 12.95	7.45	20 36 2.0	22.4	1.467777	8 49	8 2
10	7 50 5.50	−6.96	20 36 24.4	+21.1	1.468177	8 41	8 2
12	7 49 58.54	6.47	+20 36 45.5	19.8	1.468586	8 33	8 2
14	7 49 52.07	5.96	20 37 5.3	18.5	1.469005	8 25	8 2
16	7 49 46.11	5.45	20 37 23.8	17.2	1.469433	8 17	8 2
18	7 49 40.66	4.93	20 37 41.0	15.8	1.469870	8 9	8 2
20	7 49 35.73		20 37 56.8		1.470315	8 1	8 2

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
März 18	7 49 40.66	− 4.93	+20 37 41.0	+15.8	1.469870	8 9	8 2
20	7 49 35.73	4.40	20 37 56.8	14.5	1.470315	8 1	8 2
22	7 49 31.33	3.86	20 38 11.3	13.1	1.470767	7 53	8 2
24	7 49 27.47	3.31	20 38 24.4	11.6	1.471227	7 45	8 2
26	7 49 24.16	− 2.76	20 38 36.0	+10.2	1.471693	7 37	8 2
28	7 49 21.40	2.20	+20 38 46.2	8.7	1.472163	7 29	8 2
30	7 49 19.20	1.65	20 38 54.9	7.3	1.472639	7 21	8 2
April 1	7 49 17.55	1.08	20 39 2.2	5.9	1.473120	7 13	8 2
3	7 49 16.47	− 0.52	20 39 8.1	4.4	1.473605	7 6	8 2
5	7 49 15.95	+ 0.04	20 39 12.5	+ 2.9	1.474092	6 58	8 2
7	7 49 15.99	0.61	+20 39 15.4	+ 1.5	1.474582	6 50	8 2
9	7 49 16.60	1.17	20 39 16.9	0.0	1.475074	6 42	8 2
11	7 49 17.77	1.73	20 39 16.9	− 1.5	1.475568	6 34	8 2
13	7 49 19.50	2.29	20 39 15.4	3.0	1.476062	6 26	8 2
15	7 49 21.79	+ 2.86	20 39 12.4	− 4.4	1.476556	6 18	8 2
17	7 49 24.65	3.41	+20 39 8.0	5.9	1.477050	6 10	8 2
19	7 49 28.06	3.97	20 39 2.1	7.4	1.477543	6 3	8 2
21	7 49 32.03	4.52	20 38 54.7	8.8	1.478035	5 55	8 2
23	7 49 36.55	5.07	20 38 45.9	10.3	1.478525	5 47	8 2
25	7 49 41.62	+ 5.62	20 38 35.6	−11.7	1.479012	5 39	8 2
27	7 49 47.24	6.15	+20 38 23.9	13.2	1.479496	5 31	8 2
29	7 49 53.39	6.68	20 38 10.7	14.6	1.479977	5 24	8 2
Mai 1	7 50 0.07	7.21	20 37 56.1	16.0	1.480453	5 16	8 2
3	7 50 7.28	7.72	20 37 40.1	17.4	1.480925	5 8	8 2
5	7 50 15.00	+ 8.23	20 37 22.7	−18.8	1.481392	5 0	8 2
7	7 50 23.23	8.73	+20 37 3.9	20.2	1.481853	4 53	8 2
9	7 50 31.96	9.21	20 36 43.7	21.5	1.482307	4 45	8 2
11	7 50 41.17	9.69	20 36 22.2	22.8	1.482755	4 37	8 2
13	7 50 50.86	10.17	20 35 59.4	24.1	1.483196	4 29	8 2
15	7 51 1.03	+10.63	20 35 35.3	−25.5	1.483630	4 22	8 2
17	7 51 11.66	11.09	+20 35 9.8	26.8	1.484055	4 14	8 2
19	7 51 22.75	11.53	20 34 43.0	28.0	1.484473	4 6	8 2
21	7 51 34.28	11.97	20 34 15.0	29.3	1.484882	3 58	8 2
23	7 51 46.25	12.39	20 33 45.7	30.5	1.485281	3 51	8 2
25	7 51 58.64	+12.80	20 33 15.2	−31.7	1.485670	3 43	8 2
27	7 52 11.44	13.20	+20 32 43.5	32.8	1.486050	3 36	8 1
29	7 52 24.64	13.58	20 32 10.7	34.0	1.486420	3 28	8 1
31	7 52 38.22	13.95	20 31 36.7	35.1	1.486779	3 20	8 1
Juni 2	7 52 52.17	14.31	20 31 1.6	36.2	1.487126	3 13	8 1
4	7 53 6.48		20 30 25.4		1.487462	3 5	8 1

Wahrer geozentrischer Ort.

0h Mittl. Zeit	AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ″	Log. Δ	Östl. Stunden-Winkel h m	Halber Tag-bogen h m
Juni 2	7 52 52.17	+14.31	+20 31 1.6	−36.2	1.487126	3 13	8 1
4	7 53 6.48	14.65	20 30 25.4	37.2	1.487462	3 5	8 1
6	7 53 21.13	14.98	20 29 48.2	38.2	1.487787	2 57	8 1
8	7 53 36.11	15.30	20 29 10.0	39.2	1.488100	2 50	8 1
10	7 53 51.41	+15.61	20 28 30.8	−40.2	1.488400	2 42	8 1
12	7 54 7.02	15.90	+20 27 50.6	41.1	1.488688	2 34	8 1
14	7 54 22.92	16.18	20 27 9.5	42.0	1.488963	2 27	8 1
16	7 54 39.10	16.44	20 26 27.5	42.9	1.489225	2 19	8 1
18	7 54 55.54	16.69	20 25 44.6	43.7	1.489474	2 12	8 1
20	7 55 12.23	+16.93	20 25 0.9	−44.5	1.489710	2 4	8 1
22	7 55 29.16	17.15	+20 24 16.4	45.3	1.489932	1 56	8 1
24	7 55 46.31	17.36	20 23 31.1	46.1	1.490140	1 49	8 0
26	7 56 3.67	17.55	20 22 45.0	46.7	1.490334	1 41	8 0
28	7 56 21.22	17.72	20 21 58.3	47.4	1.490514	1 34	8 0
30	7 56 38.94	+17.88	20 21 10.9	−48.0	1.490679	1 26	8 0
Juli 2	7 56 56.82	18.02	+20 20 22.9	48.6	1.490830	1 18	8 0
4	7 57 14.84	18.15	20 19 34.3	49.1	1.490966	1 11	8 0
6	7 57 32.99	18.26	20 18 45.2	49.6	1.491087	1 3	8 0
8	7 57 51.25	18.36	20 17 55.6	50.0	1.491193	0 56	8 0
10	7 58 9.61	+18.45	20 17 5.6	−50.4	1.491283	0 48	8 0
12	7 58 28.06	18.51	+20 16 15.2	50.9	1.491359	0 40	8 0
14	7 58 46.57	18.57	20 15 24.3	51.2	1.491420	0 33	8 0
16	7 59 5.14	18.61	20 14 33.1	51.4	1.491465	0 25	7 59
18	7 59 23.75	18.63	20 13 41.7	51.6	1.491495	0 18	7 59
20	7 59 42.38	+18.63	20 12 50.1	−51.9	1.491510	0 10	7 59
22	8 0 1.01	18.62	+20 11 58.2	52.1	1.491510	0 3	7 59
24	8 0 19.63	18.60	20 11 6.1	52.1	1.491494	23 55	7 59
26	8 0 38.23	18.55	20 10 14.0	52.2	1.491463	23 47	7 59
28	8 0 56.78	18.49	20 9 21.8	52.2	1.491416	23 40	7 59
30	8 1 15.27	+18.41	20 8 29.6	−52.2	1.491354	23 32	7 59
Aug. 1	8 1 33.68	18.32	+20 7 37.4	52.1	1.491277	23 25	7 59
3	8 1 52.00	18.22	20 6 45.3	51.9	1.491185	23 17	7 59
5	8 2 10.22	18.09	20 5 53.4	51.8	1.491078	23 10	7 58
7	8 2 28.31	17.96	20 5 1.6	51.6	1.490956	23 2	7 58
9	8 2 46.27	+17.81	20 4 10.0	−51.3	1.490819	22 54	7 58
11	8 3 4.08	17.64	+20 3 18.7	51.0	1.490667	22 47	7 58
13	8 3 21.72	17.46	20 2 27.7	50.6	1.490500	22 39	7 58
15	8 3 39.18	17.27	20 1 37.1	50.2	1.490319	22 32	7 58
17	8 3 56.45	17.05	20 0 46.9	49.8	1.490124	22 24	7 58
19	8 4 13.50		19 59 57.1		1.489914	22 16	7 58

Wahrer geozentrischer Ort.

0^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
Aug. 17	8h 3m 56.45s	+17.05s	+20° 0′ 46.9″	−49.8″	1.490124	22h 24m	7h 58m
19	8 4 13.50	16.83	19 59 57.1	49.2	1.489914	22 16	7 58
21	8 4 30.33	16.59	19 59 7.9	48.7	1.489690	22 9	7 58
23	8 4 46.92	16.33	19 58 19.2	48.1	1.489452	22 1	7 58
25	8 5 3.25	+16.06	19 57 31.1	−47.4	1.489200	21 54	7 57
27	8 5 19.31	15.78	+19 56 43.7	46.6	1.488935	21 46	7 57
29	8 5 35.09	15.47	19 55 57.1	45.9	1.488657	21 38	7 57
31	8 5 50.56	15.15	19 55 11.2	45.1	1.488365	21 31	7 57
Sept. 2	8 6 5.71	14.83	19 54 26.1	44.3	1.488061	21 23	7 57
4	8 6 20.54	+14.49	19 53 41.8	−43.3	1.487745	21 15	7 57
6	8 6 35.03	14.13	+19 52 58.5	42.4	1.487417	21 8	7 57
8	8 6 49.16	13.77	19 52 16.1	41.4	1.487077	21 0	7 57
10	8 7 2.93	13.39	19 51 34.7	40.3	1.486726	20 52	7 57
12	8 7 16.32	13.00	19 50 54.4	39.2	1.486364	20 45	7 57
14	8 7 29.32	+12.60	19 50 15.2	−38.2	1.485991	20 37	7 57
16	8 7 41.92	12.18	+19 49 37.0	37.0	1.485607	20 29	7 57
18	8 7 54.10	11.75	19 49 0.0	35.7	1.485213	20 22	7 57
20	8 8 5.85	11.32	19 48 24.3	34.5	1.484809	20 14	7 56
22	8 8 17.17	10.86	19 47 49.8	33.2	1.484396	20 6	7 56
24	8 8 28.03	+10.40	19 47 16.6	−31.9	1.483974	19 59	7 56
26	8 8 38.43	9.92	+19 46 44.7	30.5	1.483543	19 51	7 56
28	8 8 48.35	9.44	19 46 14.2	29.0	1.483105	19 43	7 56
30	8 8 57.79	8.95	19 45 45.2	27.6	1.482659	19 36	7 56
Okt. 2	8 9 6.74	8.45	19 45 17.6	26.2	1.482206	19 28	7 56
4	8 9 15.19	+ 7.95	19 44 51.4	−24.6	1.481747	19 20	7 56
6	8 9 23.14	7.43	+19 44 26.8	23.1	1.481282	19 12	7 56
8	8 9 30.57	6.92	19 44 3.7	21.5	1.480811	19 5	7 56
10	8 9 37.49	6.39	19 43 42.2	19.9	1.480335	18 57	7 56
12	8 9 43.88	5.85	19 43 22.3	18.3	1.479854	18 49	7 56
14	8 9 49.73	+ 5.31	19 43 4.0	−16.6	1.479369	18 41	7 56
16	8 9 55.04	4.76	+19 42 47.4	15.0	1.478881	18 33	7 56
18	8 9 59.80	4.20	19 42 32.4	13.3	1.478389	18 26	7 56
20	8 10 4.00	3.65	19 42 19.1	11.6	1.477895	18 18	7 56
22	8 10 7.65	3.08	19 42 7.5	9.8	1.477400	18 10	7 56
24	8 10 10.73	+ 2.52	19 41 57.7	− 8.1	1.476903	18 2	7 56
26	8 10 13.25	1.95	+19 41 49.6	6.3	1.476405	17 54	7 56
28	8 10 15.20	1.38	19 41 43.3	4.6	1.475907	17 46	7 56
30	8 10 16.58	0.82	19 41 38.7	2.8	1.475411	17 39	7 56
Nov. 1	8 10 17.40	+ 0.25	19 41 35.9	− 1.0	1.474916	17 31	7 56
3	8 10 17.65		19 41 34.9		1.474422	17 23	7 56

Wahrer geozentrischer Ort.

0ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Östl. Stunden-Winkel	Halber Tag-bogen
	h m s	s	° ′ ″	″		h m	h m
Nov. 1	8 10 17.40	+ 0.25	+19 41 35.9	− 1.0	1.474916	17 31	7 56
3	8 10 17.65	− 0.31	19 41 34.9	+ 0.7	1.474422	17 23	7 56
5	8 10 17.34	0.87	19 41 35.6	2.4	1.473930	17 15	7 56
7	8 10 16.47	1.43	19 41 38.0	4.2	1.473442	17 7	7 56
9	8 10 15.04	− 2.00	19 41 42.2	+ 5.9	1.472957	16 59	7 56
11	8 10 13.04	2.56	+19 41 48.1	7.6	1.472476	16 51	7 56
13	8 10 10.48	3.11	19 41 55.7	9.4	1.472000	16 43	7 56
15	8 10 7.37	3.66	19 42 5.1	11.1	1.471530	16 35	7 56
17	8 10 3.71	4.21	19 42 16.2	12.8	1.471066	16 27	7 56
19	8 9 59.50	− 4.74	19 42 29.0	+14.5	1.470608	16 19	7 56
21	8 9 54.76	5.26	+19 42 43.5	16.1	1.470157	16 11	7 56
23	8 9 49.50	5.78	19 42 59.6	17.8	1.469715	16 4	7 56
25	8 9 43.72	6.30	19 43 17.4	19.4	1.469282	15 56	7 56
27	8 9 37.42	6.80	19 43 36.8	21.0	1.468857	15 48	7 56
29	8 9 30.62	− 7.28	19 43 57.8	+22.5	1.468442	15 40	7 56
Dez. 1	8 9 23.34	7.76	+19 44 20.3	23.9	1.468038	15 32	7 56
3	8 9 15.58	8.22	19 44 44.2	25.4	1.467645	15 24	7 56
5	8 9 7.36	8.68	19 45 9.6	26.8	1.467262	15 16	7 56
7	8 8 58.68	9.12	19 45 36.4	28.1	1.466892	15 7	7 56
9	8 8 49.56	− 9.54	19 46 4.5	+29.5	1.466534	14 59	7 56
11	8 8 40.02	9.96	+19 46 34.0	30.8	1.466189	14 51	7 56
13	8 8 30.06	10.35	19 47 4.8	32.0	1.465858	14 43	7 56
15	8 8 19.71	10.74	19 47 36.8	33.1	1.465540	14 35	7 56
17	8 8 8.97	11.10	19 48 9.9	34.2	1.465237	14 27	7 56
19	8 7 57.87	−11.44	19 48 44.1	+35.3	1.464949	14 19	7 56
21	8 7 46.43	11.76	+19 49 19.4	36.3	1.464676	14 11	7 57
23	8 7 34.67	12.07	19 49 55.7	37.1	1.464419	14 3	7 57
25	8 7 22.60	12.35	19 50 32.8	38.0	1.464178	13 55	7 57
27	8 7 10.25	12.61	19 51 10.8	38.9	1.463953	13 47	7 57
29	8 6 57.64	−12.85	19 51 49.7	+39.7	1.463745	13 39	7 57
31	8 6 44.79	13.08	+19 52 29.4	40.3	1.463555	13 31	7 57
33	8 6 31.71		19 53 9.7		1.463384	13 23	7 57

MERKUR 1914.

Mittlere Ekliptik und Äquinoktium 1910.0.

0^h Mittl. Zeit	Log. Rad. v.	Länge in d. Bahn	Red. a. d. Ekl.	Breite	0^h Mittl. Zeit	Log. Rad. v.	Länge in d. Bahn	Red. a. d. Ekl.	Breite
Jan. 1	9.6622	235° 52′	— 4′	—1° 3′	Juli 5	9.6686	261° 3′	—12′	—3° 53′
6	9.6684	249 51	— 9	—2 41	10	9.6630	275 0	—13	—5 11
11	9.6680	263 39	—12	—4 9	15	9.6508	289 32	—11	—6 12
16	9.6612	277 40	—13	—5 24	20	9.6319	305 9	— 5	—6 51
21	9.6477	292 22	—10	—6 21	25	9.6064	322 27	+ 2	—6 58
26	9.6276	308 15	— 4	—6 55	30	9.5751	342 12	+10	—6 21
31	9.6009	325 57	+ 4	—6 55	Aug. 4	9.5408	5 11	+13	—4 41
Febr. 5	9.5688	346 14	+11	—6 7	9	9.5092	32 2	+ 7	—1 50
10	9.5344	9 56	+12	—4 14	14	9.4900	62 18	— 6	+1 49
15	9.5043	37 30	+ 4	—1 11	19	9.4914	93 54	—13	+5 5
20	9.4885	68 14	— 9	+2 30	24	9.5128	123 48	— 6	+6 49
25	9.4941	99 43	—12	+5 33	29	9.5452	150 9	+ 6	+6 50
März 2	9.5184	129 3	— 4	+6 56	Sept. 3	9.5795	172 40	+12	+5 42
7	9.5517	154 39	+ 7	+6 41	8	9.6101	192 3	+12	+4 2
12	9.5856	176 31	+13	+5 25	13	9.6347	209 5	+ 8	+2 11
17	9.6152	195 24	+12	+3 41	18	9.6527	224 32	+ 1	+0 20
22	9.6386	212 5	+ 6	+1 50	23	9.6641	238 58	— 5	—1 25
27	9.6554	227 18	0	0 0	28	9.6689	252 52	—10	—3 1
April 1	9.6655	241 36	— 6	—1 44	Okt. 3	9.6671	266 41	—13	—4 26
6	9.6690	255 27	—11	—3 18	8	9.6588	280 49	—12	—5 38
11	9.6661	269 18	—13	—4 41	13	9.6439	295 43	— 9	—6 31
16	9.6565	283 32	—12	—5 49	18	9.6223	311 56	— 2	—6 58
21	9.6404	298 39	— 8	—6 38	23	9.5943	330 8	+ 6	—6 50
26	9.6175	315 11	— 1	—7 0	28	9.5613	351 6	+12	—5 49
Mai 1	9.5884	333 50	+ 7	—6 43	Nov. 2	9.5271	15 37	+11	—3 40
6	9.5548	355 24	+13	—5 30	7	9.4993	44 0	+ 1	—0 24
11	9.5211	20 39	+10	—3 8	12	9.4879	75 9	—11	+3 16
16	9.4956	49 42	— 1	+0 18	17	9.4981	106 24	—11	+6 0
21	9.4881	81 6	—12	+3 54	22	9.5253	134 59	— 1	+7 0
26	9.5022	112 1	—10	+6 20	27	9.5593	159 43	+ 9	+6 28
31	9.5314	139 55	+ 1	+7 0	Dez. 2	9.5925	180 52	+13	+5 4
Juni 5	9.5658	163 57	+10	+6 15	7	9.6208	199 12	+11	+3 17
10	9.5983	184 30	+13	+4 45	12	9.6428	215 31	+ 5	+1 25
15	9.6255	202 24	+10	+2 56	17	9.6581	230 29	— 1	—0 24
20	9.6462	218 25	+ 4	+1 4	22	9.6668	244 39	— 7	—2 5
25	9.6603	233 11	— 3	—0 43	27	9.6689	258 28	—11	—3 37
30	9.6677	247 15	— 8	—2 23	32	9.6645	272 21	—13	—4 57
Juli 5	9.6686	261 3	—12	—3 53	37	9.6536	286 45	—11	—6 2

$\Omega = 47° \; 15'.5; \quad i = 7° \; 0'.17; \quad m = \frac{1}{6000000}$

VENUS 1914.						ERDE 1914.	
Mittl. Ekliptik und Äquin. 1910.0.						Mittl. Äqu. 1910.0.	
0^h Mittl. Zeit	Log. Radius v.	Länge in der Bahn	Red. auf d. Eklipt.	Breite		Log. Radius vect.	Länge
		° ′	′	° ′			° ′
Jan. 1	9.86109	256 46.6	—0.1	—0 3.3		9.99266	100 9.8
11	9.86168	272 38.8	—1.7	—0 58.8		9.99275	110 21.4
21	9.86209	288 28.7	—2.7	—1 49.7		9.99306	120 32.3
31	9.86229	304 17.3	—3.0	—2 32.3		9.99358	130 42.1
Febr. 10	9.86226	320 5.6	—2.4	—3 3.4		9.99430	140 50.2
20	9.86201	335 54.5	—1.0	—3 20.6		9.99518	150 56.0
März 2	9.86156	351 44.9	+0.6	—3 22.5		9.99621	160 59.2
12	9.86093	7 37.7	+2.1	—3 9.0		9.99735	170 59.3
22	9.86018	23 33.6	+2.9	—2 41.0		9.99856	180 56.2
April 1	9.85936	39 32.9	+2.9	—2 0.5		9.99981	190 49.7
11	9.85854	55 35.9	+2.0	—1 10.5		0.00105	200 39.8
21	9.85777	71 42.4	+0.4	—0 14.7		0.00226	210 26.5
Mai 1	9.85713	87 52.1	—1.2	+0 42.4		0.00340	220 10.1
11	9.85665	104 4.4	—2.5	+1 36.2		0.00443	229 50.8
21	9.85639	120 18.3	—3.0	+2 22.5		0.00533	239 29.0
31	9.85636	136 32.8	—2.6	+2 57.5		0.00607	249 4.9
Juni 10	9.85657	152 46.9	—1.3	+3 18.3		0.00664	258 39.1
20	9.85700	168 59.6	+0.3	+3 23.3		0.00701	268 12.0
30	9.85760	185 10.0	+1.9	+3 12.2		0.00719	277 44.2
Juli 10	9.85834	201 17.3	+2.9	+2 45.9		0.00717	287 16.2
20	9.85916	217 21.2	+2.9	+2 6.7		0.00694	296 48.5
30	9.85999	233 21.4	+2.1	+1 17.9		0.00652	306 21.8
Aug. 9	9.86076	249 18.1	+0.7	+0 23.2		0.00591	315 56.4
19	9.86142	265 11.5	—1.0	—0 33.0		0.00512	325 32.8
29	9.86192	281 2.4	—2.3	—1 26.6		0.00419	335 11.5
Sept. 8	9.86222	296 51.6	—3.0	—2 13.6		0.00314	344 52.9
18	9.86230	312 40.0	—2.8	—2 50.4		0.00199	354 37.2
28	9.86215	328 28.5	—1.7	—3 14.3		0.00077	4 24.7
Okt. 8	9.86179	344 18.1	—0.2	—3 23.5		9.99952	14 15.6
18	9.86124	0 9.7	+1.5	—3 17.3		9.99828	24 9.9
28	9.86054	16 4.0	+2.6	—2 56.0		9.99709	34 7.5
Nov. 7	9.85975	32 1.7	+3.0	—2 21.0		9.99598	44 8.3
17	9.85892	48 2.9	+2.5	—1 34.9		9.99498	54 12.1
27	9.85813	64 7.8	+1.2	—0 41.3		9.99413	64 18.5
Dez. 7	9.85742	80 16.1	—0.5	+0 15.7		9.99345	74 26.9
17	9.85687	96 27.2	—2.0	+1 11.6		9.99298	84 37.0
27	9.85651	112 40.3	—2.9	+2 2.0		9.99272	94 48.2
37	9.85637	128 54.6	—2.9	+2 42.7		9.99268	104 59.7

$\Omega = 75° 51'.5$; $i = 3° 23'.6$; $m = \frac{1}{408000}$ $\qquad$ $m = \frac{1}{329390}$

MARS 1914.

Mittlere Ekliptik und Äquinoktium 1910.0.

0ʰ Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite
		° ′	′	° ′
Jan. 1	0.20485	102 32.6	—0.9	+1 29.4
11	0.20753	107 13.8	—0.8	+1 34.5
21	0.21001	111 51.7	—0.7	+1 38.9
31	0.21226	116 26.5	—0.6	+1 42.6
Febr. 10	0.21428	120 58.7	—0.5	+1 45.6
20	0.21607	125 28.5	—0.4	+1 48.0
März 2	0.21762	129 56.2	—0.3	+1 49.7
12	0.21892	134 22.2	—0.1	+1 50.7
22	0.21996	138 46.8	0.0	+1 51.0
April 1	0.22076	143 10.2	+0.1	+1 50.7
11	0.22130	147 32.8	+0.3	+1 49.7
21	0.22158	151 54.9	+0.4	+1 48.1
Mai 1	0.22160	156 16.8	+0.5	+1 45.9
11	0.22136	160 38.9	+0.6	+1 43.1
21	0.22086	165 1.4	+0.7	+1 39.6
31	0.22011	169 24.7	+0.8	+1 35.5
Juni 10	0.21910	173 49.1	+0.8	+1 30.9
20	0.21784	178 14.8	+0.9	+1 25.8
30	0.21633	182 42.2	+0.9	+1 20.1
Juli 10	0.21458	187 11.6	+0.9	+1 13.8
20	0.21259	191 43.4	+0.9	+1 7.0
30	0.21037	196 17.8	+0.8	+0 59.7
Aug. 9	0.20793	200 55.2	+0.7	+0 52.0
19	0.20528	205 35.8	+0.6	+0 43.8
29	0.20243	210 20.0	+0.5	+0 35.2
Sept. 8	0.19940	215 8.1	+0.4	+0 26.3
18	0.19619	220 0.4	+0.3	+0 17.0
28	0.19283	224 57.1	+0.1	+0 7.5
Okt. 8	0.18934	229 58.6	0.0	—0 2.2
18	0.18574	235 5.0	—0.2	—0 12.1
28	0.18205	240 16.6	—0.3	—0 22.0
Nov. 7	0.17830	245 33.6	—0.5	—0 31.9
17	0.17453	250 56.1	—0.6	—0 41.8
27	0.17077	256 24.3	—0.7	—0 51.4
Dez. 7	0.16705	261 58.1	—0.8	—1 0.7
17	0.16342	267 37.7	—0.9	—1 9.6
27	0.15991	273 22.9	—0.9	—1 17.9
37	0.15656	279 13.6	—0.9	—1 25.5

$\Omega = 48^\circ\ 51'.1;\quad i = 1^\circ\ 51'.0;\quad m = \frac{1}{3093500}$

JUPITER 1914.

Mittlere Ekliptik und Äquinoktium 1910.0.

0^h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_0
Jan. 1	0.709788	298° 4′ 55″.4	−16″.2	−0° 25′ 0″.1	−2″.8
11	0.709492	298 56 15.4	−16.8	−0 26 6.6	−2.9
21	0.709196	299 47 39.5	−17.4	−0 27 12.8	−2.9
31	0.708902	300 39 7.9	−18.0	−0 28 18.8	−2.9
Febr. 10	0.708609	301 30 40.5	−18.6	−0 29 24.5	−2.9
20	0.708318	302 22 17.2	−19.2	−0 30 29.9	−2.9
März 2	0.708028	303 13 58.1	−19.8	−0 31 35.0	−2.9
12	0.707739	304 5 43.1	−20.3	−0 32 39.7	−3.0
22	0.707452	304 57 32.2	−20.8	−0 33 44.1	−3.0
April 1	0.707166	305 49 25.4	−21.3	−0 34 48.1	−3.1
11	0.706882	306 41 22.7	−21.8	−0 35 51.7	−3.1
21	0.706599	307 33 24.1	−22.3	−0 36 54.8	−3.1
Mai 1	0.706319	308 25 29.5	−22.8	−0 37 57.6	−3.1
11	0.706040	309 17 39.0	−23.2	−0 38 59.9	−3.1
21	0.705763	310 9 52.5	−23.6	−0 40 1.8	−3.1
31	0.705488	311 2 9.9	−23.9	−0 41 3.2	−3.1
Juni 10	0.705216	311 54 31.3	−24.3	−0 42 4.1	−3.1
20	0.704945	312 46 56.6	−24.6	−0 43 4.4	−3.1
30	0.704676	313 39 25.9	−25.0	−0 44 4.3	−3.2
Juli 10	0.704410	314 31 59.0	−25.3	−0 45 3.6	−3.2
20	0.704146	315 24 36.0	−25.6	−0 46 2.3	−3.2
30	0.703885	316 17 16.8	−25.8	−0 47 0.5	−3.2
Aug. 9	0.703626	317 10 1.4	−26.0	−0 47 58.1	−3.2
19	0.703369	318 2 49.8	−26.2	−0 48 55.1	−3.2
29	0.703115	318 55 41.9	−26.4	−0 49 51.5	−3.2
Sept. 8	0.702864	319 48 37.6	−26.5	−0 50 47.2	−3.2
18	0.702616	320 41 37.1	−26.6	−0 51 42.2	−3.2
28	0.702371	321 34 40.2	−26.7	−0 52 36.6	−3.3
Okt. 8	0.702128	322 27 46.8	−26.8	−0 53 30.3	−3.3
18	0.701888	323 20 57.0	−26.9	−0 54 23.2	−3.3
28	0.701651	324 14 10.7	−26.9	−0 55 15.4	−3.3
Nov. 7	0.701417	325 7 27.8	−26.9	−0 56 6.9	−3.3
17	0.701186	326 0 48.3	−26.8	−0 56 57.7	−3.3
27	0.700959	326 54 12.2	−26.8	−0 57 47.7	−3.4
Dez. 7	0.700735	327 47 39.4	−26.7	−0 58 36.9	−3.4
17	0.700514	328 41 9.9	−26.6	−0 59 25.3	−3.4
27	0.700297	329 34 43.6	−26.5	−1 0 12.9	−3.4
37	0.700083	330 28 20.5	−26.3	−1 0 59.6	−3.4

$\Omega = 99° \, 32' \, 41''.4; \quad i = 1° \, 18' \, 29''.7; \quad m = \frac{1}{1047.355}$

Mittlere Ekliptik und Äquinoktium 1910.0.

SATURN 1914.

0h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_n
1913 Dez. 2	0.955856	74° 24′ 25″.1	+95″.0	−1° 33′ 2″.4	−2″.7
1914 Jan. 11	0.955692	75 53 48.1	+93.7	−1 29 57.9	−2.7
Febr. 20	0.955543	77 23 15.3	+92.2	−1 26 49.6	−2.7
April 1	0.955409	78 52 46.2	+90.4	−1 23 37.7	−2.7
Mai 11	0.955290	80 22 20.5	+88.4	−1 20 22.2	−2.8
Juni 20	0.955186	81 51 57.9	+86.1	−1 17 3.4	−2.8
Juli 30	0.955098	83 21 37.8	+83.6	−1 13 41.3	−2.8
Sept. 8	0.955026	84 51 20.0	+80.9	−1 10 16.1	−2.8
Okt. 18	0.954969	86 21 4.2	+77.9	−1 6 48.0	−2.8
Nov. 27	0.954927	87 50 50.0	+74.7	−1 3 17.2	−2.9
Dez. 37	0.954902	89 20 37.0	+71.3	−0 59 43.7	−3.0

$\Omega = 112° \; 52' \; 26''.8; \quad i = 2° \; 29' \; 31''.3; \quad m = \frac{1}{3501.6}$

URANUS 1914.

0h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_n
1913 Dez. 2	1.297604	306° 54′ 18″.1	−9″.0	−0° 37′ 10″.0	+2″.6
1914 Jan. 11	1.297713	307 20 39.1	−8.9	−0 37 22.7	+2.6
Febr. 20	1.297821	307 46 59.3	−8.9	−0 37 35.2	+2.6
April 1	1.297928	308 13 18.7	−8.8	−0 37 47.6	+2.5
Mai 11	1.298033	308 39 37.4	−8.8	−0 37 59.9	+2.5
Juni 20	1.298138	309 5 55.3	−8.7	−0 38 12.1	+2.4
Juli 30	1.298241	309 32 12.3	−8.7	−0 38 24.1	+2.4
Sept. 8	1.298343	309 58 28.5	−8.6	−0 38 36.0	+2.3
Okt. 18	1.298444	310 24 44.0	−8.6	−0 38 47.7	+2.3
Nov. 27	1.298543	310 50 58.7	−8.5	−0 38 59.3	+2.2
Dez. 37	1.298641	311 17 12.7	−8.5	−0 39 10.7	+2.2

$\Omega = 73° \; 32'; \quad i = 0° \; 46' \; 22''; \quad m = \frac{1}{22869}$

NEPTUN 1914.

0h Mittl. Zeit	Log. Radius vect.	Länge in der Bahn	Red. auf die Ekliptik	Breite	B_n
1913 Dez. 2	1.476952	116° 29′ 57″.9	+23″.7	−0° 26′ 20″.4	−1″.2
1914 Jan. 11	1.476967	116 44 22.0	+23.4	−0 25 54.4	−1.1
Febr. 20	1.476983	116 58 46.1	+23.0	−0 25 28.4	−1.1
April 1	1.476999	117 13 10.2	+22.6	−0 25 2.3	−1.1
Mai 11	1.477015	117 27 34.2	+22.3	−0 24 36.2	−1.0
Juni 20	1.477031	117 41 58.2	+21.9	−0 24 10.1	−1.0
Juli 30	1.477048	117 56 22.2	+21.5	−0 23 43.9	−1.0
Sept. 8	1.477065	118 10 46.2	+21.2	−0 23 17.7	−0.9
Okt. 18	1.477082	118 25 10.1	+20.8	−0 22 51.5	−0.9
Nov. 27	1.477099	118 39 34.0	+20.4	−0 22 25.3	−0.8
Dez. 37	1.477117	118 53 57.9	+20.0	−0 21 59.0	−0.8

$\Omega = 130° \; 47'; \quad i = 1° \; 46' \; 42''; \quad m = \frac{1}{19314}$

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
1	α Androm.	2.1	0ʰ 3ᵐ 56ˢ.340	+3ˢ.0958	+ 107	+28° 36′ 56″.32	+19″.882	− 161
2	β Cassiopejae	2.2	0 4 34.815	+3.1840	+ 675	+58 40 31.53	+19.862	− 180
3	ε Phoenicis	3.8	0 5 2.923	+3.0518	+ 99	−46 13 19.34	+19.849	− 192
4	[22 Androm.]	5.2	0 5 50.712	+3.1082	+ 8	+45 35 37.16	+20.036	− 3
5	[κ² Sculptoris]	5.5	0 7 12.511	+3.0504	+ 4	−28 16 44.07	+20.042	+ 6
6	[ϑ Sculptoris]	5.3	0 7 21.743	+3.0522	+ 104	−35 36 52.51	+20.159	+ 124
7	γ Pegasi	2.7	0 8 48.317	+3.0861	+ 1	+14 42 19.49	+20.017	− 14
8	[Br. 6]	6.5	0 11 20.015	+3.3539	+ 67	+76 28 22.53	+20.023	+ 2
9	ι Ceti	3.5	0 15 2.775	+3.0568	− 15	− 9 18 2.40	+19.970	− 32
10	ζ Tucanae	4.2	0 15 35.803	+3.1448	+2705	−65 22 48.98	+21.153	+1154
11	β Hydri	2.8	0 21 15.041	+3.2023	+6991	−77 44 18.82	+20.278	+ 318
12	α Phoenicis	2.3	0 22 2.098	+2.9707	+ 168	−42 46 23.23	+19.544	− 409
13	12 Ceti	6.1	0 25 38.996	+3.0618	+ 8	− 4 25 56.78	+19.912	− 8
14	[Ceti 49 G.]	5.3	0 26 4.738	+3.0017	− 25	−24 15 48.40	+19.925	+ 9
15	[λ¹ Phoenicis]	4.7	0 27 16.190	+2.9006	+ 123	−49 16 44.93	+19.916	+ 12
16	[κ Cassiop.]	4.2	0 28 6.067	+3.3871	+ 11	+62 27 26.22	+19.898	+ 3
17	ζ Cassiopejae	3.8	0 32 10.323	+3.3269	+ 23	+53 25 25.43	+19.841	− 7
18	π Androm.	4.2	0 32 17.011	+3.1973	+ 17	+33 14 45.77	+19.847	0
19	[ε Androm.]	4.3	0 34 0.441	+3.1641	− 173	+28 50 41.75	+19.574	− 251
20	δ Androm.	3.2	0 34 43.511	+3.2014	+ 106	+30 23 26.02	+19.732	− 84
21	α Cassiopejae	(2.2)	0 35 37.078	+3.3860	+ 60	+56 3 57.05	+19.775	− 29
22	β Ceti	2.2	0 39 16.393	+3.0126	+ 160	−18 27 30.70	+19.791	+ 39
23	[η Phoenicis]	4.3	0 39 29.633	+2.7073	+ 5	−57 56 5.23	+19.741	− 8
25	ο Cassiopejae	4.7	0 39 55.572	+3.3303	+ 22	+47 48 49.76	+19.734	− 8
24	21 Cassiopejae	5.8	0 39 56.749	+3.9034	− 57	+74 31 5.26	+19.719	− 23
26	[λ² Sculptoris]	5.9	0 40 2.646	+2.9030	+ 178	−38 53 43.70	+19.855	+ 115
27	ζ Androm.	4.1	0 42 46.606	+3.1745	− 75	+23 47 58.14	+19.619	− 79
28	[δ Piscium]	4.4	0 44 13.125	+3.1098	+ 52	+ 7 7 1.85	+19.628	− 46
29	[Br. 82]	5.7	0 45 29.803	+3.6136	+ 59	+63 46 46.36	+19.648	− 5
31	[λ Hydri]	5.3	0 45 36.788	+2.0988	+ 400	−75 23 29.42	+19.624	− 26
30	[19 Ceti]	5.4	0 45 49.150	+3.0046	− 159	−11 6 26.37	+19.424	− 223
32	γ Cassiopejae	2.0	0 51 30.419	+3.5973	+ 37	+60 15 4.52	+19.538	− 4
34	[λ² Tucanae]	5.3	0 51 47.590	+2.2469	− 33	−69 59 31.43	+19.491	− 45
33	μ Androm.	3.9	0 51 58.474	+3.3205	+ 129	+38 1 59.20	+19.569	+ 36
35	α Sculptoris	4.1	0 54 27.740	+2.8918	− 5	−29 49 19.81	+19.477	− 5
36	ε Piscium	4.2	0 58 28.684	+3.1110	− 55	+ 7 25 38.56	+19.427	+ 30
37	[26 Ceti]	6.2	0 59 23.405	+3.0861	+ 81	+ 0 54 21.76	+19.337	− 39
38	β Phoenicis	3.2	1 2 14.799	+2.6801	− 56	−47 10 45.26	+19.295	− 15
39	[ι Tucanae]	5.5	1 3 54.432	+2.3840	+ 101	−62 14 3.98	+19.267	− 4
40	[η Ceti]	3.3	1 4 15.774	+3.0169	+ 138	−10 38 16.54	+19.131	− 132

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
			h m s	s		° ′ ″	″	
41	[44 H. Ceph.]	5.7	1 4 47.798	+5.0631	+ 331	+79 12 59.76	+19.259	+ 9
42	β Androm.	2.1	1 4 54.719	+3.3508	+ 151	+35 9 53.63	+19.135	−112
43	[τ Piscium]	4.3	1 6 55.185	+3.2970	+ 56	+29 37 59.67	+19.156	− 41
44	[Sculpt. 102 G.]	6.0	1 8 47.676	+2.7643	+ 39	−38 18 43.37	+19.122	− 27
45	υ Piscium	4.6	1 14 44.129	+3.2904	+ 15	+26 48 44.30	+18.979	− 11
47	ϑ Ceti	3.4	1 19 43.457	+2.9979	− 55	− 8 37 36.67	+18.631	−214
46	[ψ Cassiop.]	5.0	1 19 50.391	+4.1972	+ 134	+67 40 53.66	+18.874	+ 33
48	δ Cassiopejae	2.7	1 20 10.687	+3.8990	+ 398	+59 47 19.35	+18.789	− 43
49	[γ Phoenicis]	3.2	1 24 37.853	+2.6069	− 38	−43 45 31.18	+18.477	−218
50	η Piscium	3.6	1 26 52.716	+3.2057	+ 15	+14 54 9.92	+18.615	− 7
51	40 Cassiopejae	5.5	1 31 37.026	+4.7304	− 19	+72 36 8.02	+18.459	− 6
52	υ Persei	3.6	1 32 42.338	+3.6670	+ 64	+48 11 34.36	+18.315	−113
53	[Hydri 14 G.]	6.3	1 33 4.147	+0.3647	− 69	−78 56 28.80	+18.287	−128
54	α Eridani	1	1 34 30.809	+2.2384	+ 122	−58 40 24.41	+18.327	− 38
55	43 Cassiopejae	5.9	1 35 57.160	+4.4000	+ 88	+67 36 30.85	+18.313	− 2
56	[ν Piscium]	4.5	1 36 57.245	+3.1195	− 16	+ 5 3 9.81	+18.280	+ 2
58	[Sculpt. 129 G.]	5.8	1 38 15.494	+2.6441	− 58	−37 15 57.18	+18.208	− 23
57	φ Persei	4.1	1 38 15.700	+3.7434	+ 26	+50 15 21.29	+18.217	− 15
59	τ Ceti	3.4	1 40 4.361	+2.7868	−1196	−16 23 24.45	+19.016	+851
60	ο Piscium	4.3	1 40 51.007	+3.1646	+ 47	+ 8 43 30.99	+18.186	+ 50
61	Lac. ε Sculpt.	5.3	1 41 37.050	+2.8093	+ 99	−25 28 56.35	+18.032	− 75
62	ζ Ceti	3.5	1 47 12.884	+2.9603	+ 22	−10 45 34.48	+17.858	− 34
64	α Triang.	3.5	1 48 10.485	+3.4128	+ 11	+29 9 37.05	+17.621	−233
63	ε Cassiopejae	3.3	1 48 11.596	+4.2831	+ 50	+63 14 49.59	+17.839	− 15
65	ξ Piscium	4.6	1 49 6.101	+3.1035	+ 13	+ 2 45 47.93	+17.836	+ 19
66	β Arietis	2.7	1 49 53.136	+3.3083	+ 65	+20 23 17.05	+17.677	−109
67	ψ Phoenicis	4.5	1 50 11.935	+2.4067	− 95	−46 43 25.40	+17.671	−101
68	χ Eridani	3.6	1 52 36.648	+2.3358	+ 713	−52 2 12.75	+17.945	+271
69	[η² Hydri]	4.7	1 52 45.223	+1.5166	+ 119	−68 4 12.47	+17.748	+ 79
71	υ Ceti	3.9	1 55 57.173	+2.8266	+ 91	−21 29 38.94	+17.520	− 14
72	α Hydri	2.9	1 56 3.569	+1.8903	+ 362	−61 59 17.21	+17.551	+ 21
70	50 Cassiopejae	4.0	1 56 3.836	+5.0592	− 91	+72 0 20.94	+17.555	+ 25
73	γ Androm.	2.1	1 58 36.831	+3.6705	+ 43	+41 55 3.00	+17.367	− 54
74	α Arietis	2.0	2 2 19.285	+3.3757	+ 137	+23 3 22.66	+17.115	−143
75	β Triang.	3.0	2 4 25.251	+3.5607	+ 122	+34 34 51.66	+17.124	− 40
76	55 Cassiopejae	6.3	2 7 42.954	+4.6681	− 10	+66 7 19.29	+17.016	+ 3
77	[6 Persei]	5.7	2 7 52.615	+3.9728	+ 367	+50 40 0.65	+16.837	−169
78	Lac. μ Forn.	5.2	2 9 7.277	+2.6429	+ 13	−31 7 36.86	+16.949	+ 2
79	[γ Triang.]	4.2	2 12 11.792	+3.5578	+ 37	+33 27 0.14	+16.759	− 44
80	67 Ceti	5.8	2 12 41.565	+2.9906	+ 55	− 6 49 4.93	+16.669	−110

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
81	[ϑ Arietis]	5.7	2h 13m 20s.315	+3s.3318	— 10	+19° 30′ 13″.71	+16″.746	— 2
82	[φ Eridani]	3.5	2 13 26.184	+2.1432	+ 81	—51 54 36.12	+16.707	— 36
83	[χ Fornacis]	5.4	2 18 36.440	+2.7452	+ 142	—24 12 24.23	+16.427	— 63
84	[λ Horologii]	5.5	2 22 29.594	+1.6763	— 95	—60 41 48.02	+16.157	—137
85	ξ² Ceti	4.2	2 23 35.060	+3.1863	+ 26	+ 8 4 30.38	+16.234	— 4
86	[χ Eridani]	4.1	2 23 49.907	+2.1982	— 2	—48 5 22.58	+16.203	— 23
88	[λ¹ Fornacis]	6.0	2 29 31.786	+2.4996	— 43	—35 1 40.68	+15.896	— 32
87	36 H. Cassiop.	5.4	2 29 49.664	+5.6354	— 60	+72 26 35.06	+15.934	+ 21
90	μ Hydri	5.5	2 33 27.965	—1.3487	+ 474	—79 29 4.96	+15.685	— 32
89	ν Arietis	5.6	2 33 55.757	+3.4008	— 9	+21 35 24.40	+15.676	— 16
91	δ Ceti	3.9	2 35 4.365	+3.0726	+ 7	— 0 2 31.06	+15.627	— 2
92	[Br. 366]	6.3	2 37 24.455	+5.1168	+ 25	+67 27 36.42	+15.472	— 29
95	[ε Hydri]	4.0	2 38 15.720	+0.9135	+ 169	—68 38 7.12	+15.458	+ 5
93	ϑ Persei	4.1	2 38 19.070	+4.0820	+ 346	+48 51 55.41	+15.362	— 88
94	[35 Arietis]	4.7	2 38 24.052	+3.5135	+ 4	+27 20 30.59	+15.439	— 7
96	[γ Ceti]	3.4	2 38 50.552	+3.1057	— 98	+ 2 52 26.07	+15.272	—148
97	π Ceti	4.0	2 40 1.738	+2.8540	— 8	—14 13 20.64	+15.345	— 9
98	μ Ceti	4.2	2 40 17.439	+3.2393	+ 189	+ 9 45 5.75	+15.309	— 31
99	[η Persei]	3.8	2 44 24.791	+4.3555	+ 28	+55 32 21.67	+15.095	— 11
100	41 Arietis	3.6	2 44 55.055	+3.5247	+ 51	+26 54 24.04	+14.963	—113
101	β Fornacis	4.4	2 45 29.451	+2.5103	+ 62	—32 45 59.90	+15.202	+159
102	τ² Eridani	4.8	2 47 8.236	+2.7205	— 39	—21 21 29.30	+14.918	— 29
103	τ Persei	4.0	2 48 9.070	+4.2354	+ 3	+52 24 40.64	+14.887	— 2
104	η Eridani	3.7	2 52 13.506	+2.9294	+ 52	— 9 14 23.64	+14.429	—218
105	47 H. Cephei	5.8	2 54 35.982	+7.8425	— 113	+79 4 49.42	+14.527	+ 21
106	ϑ Eridani	2.9	2 54 59.934	+2.2724	— 68	—40 38 55.62	+14.508	+ 28
107	α Ceti	2.5	2 57 46.912	+3.1331	— 9	+ 3 45 10.55	+14.235	— 76
108	γ Persei	3.0	2 58 33.509	+4.3266	+ 2	+53 10 13.64	+14.259	— 4
109	ρ Persei	(3.8)	2 59 39.597	+3.8348	+ 114	+38 30 28.05	+14.092	—103
110	μ Horologii	5.1	3 1 35.037	+1.4082	— 117	—60 4 15.91	+14.008	— 68
113	[ϑ Hydri]	5.7	3 2 4.115	+0.1013	+ 51	—72 14 17.65	+14.068	+ 22
111	β Persei	(2.2)	3 2 34.043	+3.8930	+ 7	+40 37 30.35	+14.014	— 1
112	[ι Persei]	4.1	3 2 51.152	+4.3137	+1295	+49 17 8.02	+13.916	— 81
114	δ Arietis	4.3	3 6 42.488	+3.4256	+ 106	+19 24 7.73	+13.750	— 4
116	[94 Ceti]	5.2	3 8 23.038	+3.0603	+ 136	— 1 31 1.84	+13.585	— 61
117	12 Eridani	3.6	3 8 25.007	+2.5467	+ 241	—29 19 32.21	+14.289	+644
115	48 H. Cephei	5.9	3 9 21.710	+7.4948	+ 183	+77 25 13.30	+13.541	— 44
118	[Horol. 38 G.]	6.1	3 10 22.249	+1.5146	— 5	—57 38 36.13	+13.513	— 6
119	[e Eridani]	4.2	3 16 29.626	+2.3958	+2787	—43 23 54.19	+13.853	+735
120	α Persei	1.9	3 18 10.518	+4.2684	+ 29	+49 33 21.43	+12.981	— 26

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
			h m s	s		° ′ ″	″	
121	o Tauri	3.6	3 20 10.987	+3.2254	− 44	+ 8 43 36.70	+12.797	− 76
122	2 H. Camelop.	4.4	3 22 5.610	+4.8337	− 1	+59 38 30.09	+12.751	+ 6
123	[ξ Tauri]	3.6	3 22 30.362	+3.2481	+ 39	+ 9 26 0.37	+12.672	− 45
124	[σ Persei]	4.8	3 24 30.269	+4.2169	+ 9	+47 41 57.23	+12.604	+ 23
125	f Tauri	4.1	3 26 7.352	+3.3086	+ 13	+12 38 33.35	+12.465	− 5
126	[κ Reticuli]	4.8	3 27 52.212	+1.0365	+514	−63 14 25.87	+12.712	+362
127	ε Eridani	3.5	3 28 52.677	+2.8254	−658	− 9 44 55.78	+12.293	+ 12
128	[Horol. 45 G.]	5.8	3 30 0.683	+1.7834	+ 48	−50 40 12.19	+12.283	+ 81
130	[y Eridani]	4.5	3 34 0.460	+2.1516	− 16	−40 33 22.55	+11.899	− 24
129	[Gr. 716]	5.4	3 34 40.774	+5.1779	− 21	+62 56 20.71	+11.899	+ 22
131	δ Persei	3.0	3 36 47.715	+4.2593	+ 33	+47 30 48.50	+11.691	− 35
133	[δ Fornacis]	4.9	3 38 49.631	+2.3849	− 5	−32 12 45.52	+11.589	+ 7
132	[o Persei]	3.9	3 38 55.304	+3.7556	+ 8	+32 0 59.63	+11.558	− 17
135	[δ Eridani]	3.4	3 39 7.644	+2.8726	− 65	−10 3 13.92	+12.307	+747
134	ν Persei	3.9	3 39 20.759	+4.0663	− 6	+42 18 27.92	+11.540	− 5
136	[17 Tauri]	4.0	3 39 45.928	+3.5578	+ 17	+23 50 37.46	+11.471	− 44
137	[24 Eridani]	5.4	3 40 8.332	+3.0453	+ 1	− 1 26 1.46	+11.479	− 8
138	5 H. Camelop.	4.5	3 41 15.512	+6.2807	+ 42	+71 4 7.13	+11.368	− 40
139	η Tauri	3.0	3 42 22.158	+3.5616	+ 18	+23 50 23.91	+11.280	− 48
141	β Reticuli	3.8	3 43 7.007	+0.7423	+478	−65 4 38.90	+11.335	+ 62
140	τ^6 Eridani	4.1	3 43 8.823	+2.5797	−123	−23 30 11.26	+10.752	−519
142	[27 Tauri]	3.8	3 44 2.719	+3.5625	+ 14	+23 47 28.44	+11.161	− 45
143	g Eridani	4.1	3 46 14.138	+2.2447	− 40	−36 27 36.75	+10.995	− 52
146	γ Hydri	3.1	3 48 33.482	−0.9636	+123	−74 30 10.34	+10.986	+109
144	ζ Persei	2.9	3 48 43.346	+3.7653	+ 11	+31 37 44.69	+10.854	− 11
145	9 H. Camelop.	5.5	3 49 47.605	+5.0927	− 3	+60 51 28.85	+10.770	− 16
147	ε Persei	3.0	3 52 4.685	+4.0180	+ 23	+39 45 44.28	+10.588	− 29
148	ξ Persei	4.0	3 53 22.859	+3.8864	+ 10	+35 32 40.50	+10.512	− 8
149	γ Eridani	3.0	3 54 0.966	+2.7980	+ 43	−13 45 9.27	+10.361	−112
150	λ Tauri	(3.5)	3 55 54.801	+3.3208	− 5	+12 14 53.08	+10.317	− 13
151	ν Tauri	3.9	3 58 34.791	+3.1892	+ 4	+ 5 45 4.93	+10.120	− 10
153	[Erid. 174 G.]	5.7	4 2 4.716	+2.4718	+148	−27 53 11.59	+ 9.973	+108
152	c Persei	4.0	4 2 24.760	+4.3458	+ 33	+47 29 1.91	+ 9.807	− 32
154	o^1 Eridani	4.1	4 7 39.996	+2.9273	+ 8	− 7 3 40.21	+ 9.518	+ 82
155	α Horologii	3.7	4 11 9.008	+1.9854	+ 20	−42 30 21.66	+ 8.948	−219
156	α Reticuli	3.2	4 13 18.800	+0.7650	+ 50	−62 41 19.95	+ 9.045	+ 47
157	[γ Doradus]	4.2	4 13 46.247	+1.5677	+ 88	−51 42 11.72	+ 9.134	+172
160	υ^4 Eridani	3.3	4 14 38.311	+2.2683	+ 37	−34 0 28.13	+ 8.882	− 12
158	[54 Persei]	5.3	4 14 49.364	+3.8898	− 20	+34 21 36.03	+ 8.874	− 6
159	[γ Tauri]	3.7	4 14 53.827	+3.4113	+ 82	+15 25 14.56	+ 8.845	− 29

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
161	[Erid. 212 G.]	5.4	4h 16m 53s.937	+2s.6180	+ 36	−20° 50′ 38″.35	+8″.732	+ 15
162	δ Tauri	3.8	4 17 58.384	+3.4570	+ 78	+17 20 29.80	+8.601	− 31
163	[η Reticuli]	5.3	4 20 57.354	+0.6417	+126	−63 35 25.48	+8.556	+160
164	ε Tauri	3.5	4 23 35.575	+3.5005	+ 80	+18 59 25.94	+8.151	− 35
166	[δ Mensae]	5.8	4 23 45.643	−4.1448	+ 97	−80 24 58.49	+8.245	+ 72
165	[1 Camel. seq.]	6.3	4 25 12.760	+4.7407	+ 7	+53 43 30.05	+8.057	0
167	[δ Caeli]	5.2	4 28 11.985	+1.8355	− 6	−45 8 16.83	+7.800	− 17
168	α Tauri	1	4 30 59.040	+3.4400	+ 49	+16 20 14.00	+7.403	−189
169	ν Eridani	3.8	4 32 1.256	+2.9965	+ 2	− 3 31 39.33	+7.503	− 4
171	α Doradus	3.2	4 32 8.284	+1.2950	+ 71	−55 13 20.17	+7.501	+ 3
170	[υ^2 Eridani]	3.5	4 32 12.366	+2.3309	− 46	−30 44 15.96	+7.487	− 6
172	53 Eridani	3.9	4 34 14.452	+2.7461	− 54	−14 28 17.54	+7.163	−165
174	τ Tauri	4.2	4 37 4.887	+3.5984	+ 5	+22 47 34.10	+7.076	− 19
173	Gr. 848	6.2	4 37 14.291	+8.0191	+107	+75 47 11.74	+6.950	−133
175	4 Camelop.	5.5	4 40 50.010	+4.9861	+ 61	+56 36 20.29	+6.641	−146
176	[μ Eridani]	3.8	4 41 12.090	+2.9989	+ 13	− 3 24 41.68	+6.746	− 12
177	[μ Mensae]	5.5	4 43 55.085	−0.6135	+ 17	−71 5 19.78	+6.562	+ 28
178	9 Camelop.	4.3	4 45 29.454	+5.9441	+ 5	+66 11 53.16	+6.413	+ 10
179	[π^4 Orionis]	3.7	4 46 37.467	+3.1938	0	+ 5 27 31.56	+6.302	− 7
180	π^5 Orionis	3.7	4 49 46.229	+3.1236	− 2	+ 2 18 2.07	+6.044	− 3
181	ι Aurigae	2.7	4 51 23.452	+3.9039	+ 10	+33 1 51.21	+5.892	− 20
182	10 Camelop.	4.1	4 55 45.724	+5.3257	− 1	+60 19 4.36	+5.534	− 12
183	ε Aurigae	(3.2)	4 55 47.678	+4.3004	+ 6	+43 41 49.45	+5.529	− 14
184	ι Tauri	4.8	4 57 57.232	+3.5844	+ 53	+21 28 4.88	+5.318	− 43
185	η Aurigae	3.3	5 0 28.883	+4.2034	+ 33	+41 7 9.09	+5.076	− 71
186	ε Leporis	3.2	5 1 49.209	+2.5392	+ 20	−22 29 9.26	+4.967	− 68
187	[η^2 Pictoris]	5.1	5 2 44.166	+1.5496	+ 35	−49 41 37.74	+4.963	+ 6
188	β Eridani	2.7	5 3 37.275	+2.9488	− 59	− 5 11 48.79	+4.802	− 79
189	[ζ Doradus]	4.7	5 4 1.999	+1.0230	− 71	−57 35 23.79	+4.950	+103
190	[λ Eridani]	4.2	5 5 1.815	+2.8705	+ 3	− 8 51 49.13	+4.758	− 4
192	μ Aurigae	5.1	5 7 32.468	+4.1023	− 13	+38 23 1.03	+4.470	− 79
191	19 H. Camelop.	5.1	5 8 21.511	+9.8276	−315	+79 8 5.53	+4.639	+160
193	α Aurigae	1	5 10 20.009	+4.4285	+ 85	+45 54 41.93	+3.883	−428
194	β Orionis	1	5 10 24.243	+2.8824	+ 2	− 8 18 0.95	+4.304	0
195	[τ Orionis]	3.7	5 13 25.790	+2.9122	− 12	− 6 56 11.78	+4.038	− 7
196	ϑ Doradus	4.8	5 13 49.207	−0.0533	+ 14	−67 16 55.42	+4.051	+ 39
197	[ο Columbae]	4.9	5 14 22.916	+2.1624	+ 63	−34 58 43.14	+3.635	−328
198	[Columb. 12 G.]	6.0	5 15 58.012	+2.3918	+ 8	−27 27 24.08	+3.817	− 11
199	[ζ Pictoris]	5.6	5 17 15.455	+1.4691	+ 8	−50 41 52.84	+3.944	+227
200	[η Orion. m.]	3.3	5 20 9.160	+3.0162	+ 5	− 2 28 31.76	+3.469	+ 1

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			h m s	s		° ′ ″	″	
201	γ Orionis	1.7	5 20 31.062	+3.2171	− 3	+ 6 16 21.07	+3.416	− 20
202	β Tauri	1.8	5 20 51.259	+3.7912	+ 25	+28 32 8.81	+3.231	−177
203	17 Camelop.	5.9	5 22 2.592	+5.6588	− 3	+62 59 48.47	+3.304	− 1
204	[β Leporis]	2.9	5 24 33.629	+2.5707	+ 4	−20 49 38.69	+2.994	− 93
206	δ Orionis	2.2	5 27 36.731	+3.0642	0	− 0 21 43.32	+2.822	− 2
205	Gr. 966	6.6	5 28 13.006	+8.0075	− 9	+74 59 20.05	+2.791	+ 20
207	α Leporis	2.6	5 28 56.200	+2.6455	+ 2	−17 52 59.51	+2.711	+ 2
208	[φ¹ Orionis]	4.6	5 30 5.912	+3.2926	− 1	+ 9 25 55.59	+2.598	− 10
209	ι Orionis	2.8	5 31 13.552	+2.9345	+ 4	− 5 57 56.36	+2.506	− 4
210	ε Orionis	1.6	5 31 50.938	+3.0436	+ 1	− 1 15 21.96	+2.453	− 3
211	ζ Tauri	3.0	5 32 30.255	+3.5849	+ 6	+21 5 27.52	+2.374	− 26
212	β Doradus	3.7	5 32 52.623	+0.5171	− 13	−62 32 45.28	+2.365	− 2
213	[σ Orionis]	3.8	5 34 25.689	+3.0112	0	− 2 38 56.26	+2.231	− 1
214	[γ Mensae]	5.3	5 35 16.920	−2.3926	+278	−76 24 10.11	+2.457	+299
215	α Columbae	2.4	5 36 32.034	+2.1717	− 1	−34 7 10.08	+2.012	− 37
216	ο Aurigae	5.7	5 39 14.212	+4.6464	− 6	+49 47 23.31	+1.805	− 9
217	[γ Leporis]	3.8	5 40 52.698	+2.5016	−201	−22 28 33.03	+1.295	−376
218	[130 Tauri]	5.8	5 42 25.316	+3.4981	+ 4	+17 41 52.07	+1.530	− 6
219	ζ Leporis	3.5	5 43 3.494	+2.7180	− 12	−14 51 11.89	+1.479	− 2
220	κ Orionis	2.1	5 43 40.643	+2.8451	+ 4	− 9 41 58.04	+1.423	− 3
221	[ν Aurigae]	3.9	5 45 31.712	+4.1570	− 4	+39 7 27.75	+1.276	+ 11
222	[δ Leporis]	3.8	5 47 37.357	+2.5800	+166	−20 53 8.76	+0.430	−652
223	[β Columbae]	2.9	5 47 55.609	+2.1134	+ 33	−35 48 0.20	+1.459	+404
224	α Orionis	1	5 50 30.928	+3.2479	+ 20	+ 7 23 30.87	+0.843	+ 13
225	δ Aurigae	3.8	5 52 26.744	+4.9400	+100	+54 16 45.74	+0.539	−122
226	[η Leporis]	3.6	5 52 29.261	+2.7324	− 27	−14 10 57.70	+0.796	+140
227	β Aurigae	1.9	5 53 13.228	+4.4014	− 42	+44 56 23.25	+0.585	− 8
228	ϑ Aurigae	2.7	5 53 51.410	+4.0918	+ 49	+37 12 27.32	+0.450	− 87
229	η Columbae	3.9	5 56 30.852	+1.8366	+ 22	−42 49 10.52	+0.271	− 34
230	[66 Orionis]	5.9	6 0 25.700	+3.1693	− 6	+ 4 9 51.30	−0.052	− 15
231	[Puppis 1 G.]	5.8	6 1 59.889	+1.7263	− 83	−45 2 8.93	+0.057	+232
232	ν Orionis	4.4	6 2 39.710	+3.4262	+ 11	+14 46 46.27	−0.264	− 31
233	[36 Camelop.]	5.6	6 4 11.934	+6.0365	− 5	+65 44 13.27	−0.396	− 29
235	[δ Pictoris]	5.0	6 8 37.353	+1.1668	− 22	−54 56 57.07	−0.761	− 7
234	22 H. Camelop.	4.6	6 9 22.331	+6.6176	+ 16	+69 21 6.66	−0.922	−102
236	η Geminor.	3.3	6 9 41.199	+3.6224	− 42	+22 31 57.69	−0.860	− 13
237	[2 Lyncis]	4.4	6 12 2.189	+5.2968	− 7	+59 2 36.39	−1.023	+ 29
239	[α Mensae]	5.1	6 12 47.965	−1.7891	+238	−74 43 26.53	−1.345	−226
238	[κ Columbae]	4.4	6 13 29.530	+2.1340	− 6	−35 6 40.98	−1.105	+ 74
240	ζ Canis maj.	2.9	6 17 0.667	+2.3026	+ 2	−30 1 28.27	−1.483	+ 4

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241	μ Geminor.	2.9	6h 17m 45s.493	+ 3s.6309	+ 48	+22° 33′ 31″.30	—1″.663	— 111
242	ψ¹ Aurigae	5.1	6 18 16.576	+ 4.6240	+ 9	+49 19 58.78	—1.600	— 3
243	β Canis maj.	2.0	6 18 54.728	+ 2.6417	— 4	—17 54 45.07	—1.650	+ 2
244	8 Monocer.	4.5	6 19 12.670	+ 3.1799	— 7	+ 4 38 14.36	—1.674	+ 4
245	α Argus	1	6 22 2.500	+ 1.3313	+ 16	—52 38 53.97	—1.913	+ 11
246	10 Monocer.	5.0	6 23 42.772	+ 2.9629	— 2	— 4 42 29.71	—2.065	+ 5
247	8 Lyncis	6.3	6 29 50.037	+ 5.4907	—284	+61 33 29.18	—2.879	— 277
249	ξ² Canis maj.	4.6	6 31 27.100	+ 2.5141	+ 5	—22 53 45.67	—2.729	+ 13
248	23 H. Camelop.	5.6	6 31 34.621	+10.3003	—275	+79 39 36.20	—3.376	— 622
250	51 Aurigae	6.1	6 32 42.055	+ 4.1600	— 18	+39 28 3.61	—2.965	— 114
251	γ Geminor.	2.0	6 32 44.659	+ 3.4672	+ 34	+16 28 24.80	—2.900	— 45
252	ν Argus	3.1	6 35 7.767	+ 1.8354	— 4	—43 7 12.54	—3.081	— 20
253	*S* Monocer.	(4.4)	6 36 14.548	+ 3.3053	+ 6	+ 9 58 34.03	—3.162	— 5
254	ε Geminor.	3.1	6 38 38.531	+ 3.6934	+ 3	+25 13 1.99	—3.378	— 15
256	ξ Geminor.	3.4	6 40 27.794	+ 3.3686	— 75	+12 59 20.91	—3.720	— 199
255	[ψ⁵ Aurigae]	5.5	6 40 32.560	+ 4.3288	+ 6	+43 39 50.52	—3.374	+ 154
257	α Canis maj.[1])	1	6 41 21.604	+ 2.6438	—369	—16 35 50.93	—4.810	—1212
258	18 Monocer.	4.7	6 43 22.640	+ 3.1298	— 2	+ 2 30 25.22	—3.791	— 20
259	[43 Camelop.]	5.1	6 44 26.318	+ 6.4886	+ 16	+68 59 23.39	—3.860	+ 3
261	ϑ Geminor.	3.4	6 47 7.348	+ 3.9579	+ 7	+34 3 57.21	—4.147	— 55
264	[ζ Mensae]	5.7	6 47 13.394	— 4.9402	— 37	—80 43 25.92	—4.017	+ 85
262	α Pictoris	3.2	6 47 18.585	+ 0.6181	—101	—61 50 55.65	—3.853	+ 256
260	[24 H. Camel.]	4.6	6 47 32.464	+ 8.7992	+217	+77 5 20.68	—4.142	— 13
263	[τ Argus]	2.9	6 47 48.113	+ 1.4888	+ 29	—50 30 42.85	—4.246	— 96
265	15 Lyncis	4.6	6 49 50.033	+ 5.2051	0	+58 32 12.42	—4.454	— 130
266	ϑ Canis maj.	4.1	6 50 11.662	+ 2.7876	— 94	—11 55 48.76	—4.369	— 14
267	[ι Volantis]	5.4	6 52 26.252	— 0.6773	— 5	—70 51 23.07	—4.535	+ 12
268	ε Canis maj.	1.5	6 55 14.718	+ 2.3575	0	—28 51 15.96	—4.784	+ 1
269	ζ Geminor.	(3.8)	6 59 0.567	+ 3.5608	0	+20 41 50.53	—5.107	— 3
270	[σ² Canis maj.]	3.1	6 59 25.998	+ 2.5052	— 2	—23 42 25.27	—5.140	0
271	γ Canis maj.	4.0	6 59 52.083	+ 2.7152	+ 8	—15 30 20.00	—5.189	— 12
272	[Carinae 27 G.]	5.5	7 2 42.079	+ 1.1174	— 24	—56 37 7.78	—5.423	— 7
273	δ Canis maj.	1.9	7 4 53.639	+ 2.4389	— 8	—26 15 21.79	—5.597	+ 3
274	63 Aurigae	5.0	7 5 44.554	+ 4.1323	+ 45	+39 27 42.73	—5.671	+ 1
275	[*J* Puppis]	4.5	7 10 6.456	+ 1.7095	—148	—46 36 54.91	—5.947	+ 90
276	[64 Aurigae]	6.0	7 12 3.608	+ 4.1785	— 3	+41 2 13.23	—6.196	+ 3
277	λ Geminor.	3.6	7 13 9.105	+ 3.4501	— 31	+16 41 46.81	—6.334	— 44
278	π Argus	2.5	7 14 6.284	+ 2.1184	— 14	—36 56 33.11	—6.367	+ 3
279	δ Geminor.	3.3	7 14 59.311	+ 3.5865	— 11	+22 8 29.85	—6.453	— 10
280	19 Lync. seq.	5.5	7 15 51.326	+ 4.9076	— 1	+55 26 40.59	—6.549	— 34

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			h m s	s		° ′ ″	″	
281	δ Volantis	4.0	7 16 52.691	−0.0191	+ 4	−67 47 59.47	− 6.611	− 12
282	ι Geminor.	3.8	7 20 23.251	+3.7307	− 83	+27 58 11.77	− 6.973	− 85
283	[η Can. maj.]	2.4	7 20 41.591	+2.3729	− 5	−29 8 4.73	− 6.900	+ 13
284	Gr. 1308	5.8	7 21 56.551	+6.2733	− 7	+68 38 34.10	− 7.059	− 44
285	β Canis min.	2.9	7 22 29.275	+3.2556	− 31	+ 8 27 48.31	− 7.101	− 41
286	ρ Geminor.	4.4	7 23 34.928	+3.8636	+122	+31 57 23.50	− 6.967	+ 183
287	α Gemin.[2])	1.8,2.8	7 29 6.779	+3.8348	−129	+32 4 42.12	− 7.681	− 81
288	[Pupp. 108 G.]	4.7	7 30 22.280	+2.5674	− 39	−22 6 35.65	− 7.683	+ 18
289	25 Monocer.	5.3	7 33 0.170	+2.9838	− 47	− 3 55 5.68	− 7.893	+ 20
290	[*f* Puppis]	4.7	7 34 11.139	+2.2193	− 27	−34 46 28.24	− 7.992	+ 16
291	α Can. min.[3])	0.5	7 34 48.054	+3.1424	−469	+ 5 26 46.39	− 9.086	−1029
292	24 Lyncis	5.0	7 35 44.265	+5.0938	− 47	+58 54 45.93	− 8.186	− 53
293	[26 Monocer.]	4.0	7 37 8.295	+2.8663	− 57	− 9 20 59.41	− 8.266	− 21
294	κ Geminor.	3.4	7 39 15.479	+3.6266	− 15	+24 36 18.38	− 8.467	− 54
295	β Geminor.	1.1	7 40 3.343	+3.6761	−468	+28 14 5.26	− 8.529	− 53
296	π Geminor.	5.5	7 41 57.878	+3.8748	− 1	+33 37 39.60	− 8.658	− 31
297	ζ Volantis	3.9	7 42 52.995	−0.7219	+ 8	−72 23 58.87	− 8.692	+ 8
298	[Pupp. 205 G.]	5.7	7 47 47.385	+2.7788	− 41	−13 40 9.12	− 9.427	− 343
299	[26 Lyncis]	5.7	7 48 27.299	+4.3799	− 40	+47 47 18.73	− 9.143	− 7
301	[α Puppis]	3.7	7 49 15.611	+2.0619	− 18	−40 21 12.44	− 9.198	+ 1
300	Gr. 1374	5.5	7 49 55.470	+7.2452	− 30	+74 8 57.48	− 9.282	− 32
302	[53 Camelop.]	6.3	7 54 22.328	+5.1487	− 30	+60 33 38.45	− 9.615	− 21
303	χ Argus	3.5	7 54 35.574	+1.5271	− 32	−52 45 4.18	− 9.587	+ 24
304	[27 Monocer.]	5.2	7 55 26.445	+2.9995	− 27	− 3 26 39.67	− 9.666	+ 9
305	χ Geminor.	5.1	7 58 14.344	+3.6902	− 15	+28 2 10.67	− 9.935	− 46
306	ζ Argus	2.2	8 0 33.642	+2.1077	− 34	−39 45 37.34	−10.055	+ 10
307	27 Lyncis	4.6	8 1 59.685	+4.5276	− 59	+51 45 20.09	−10.178	− 5
308	ι Navis	2.8	8 3 52.868	+2.5547	− 64	−24 3 20.92	−10.269	+ 47
309	γ Argus	2.1	8 6 52.899	+1.8488	− 12	−47 4 57.76	−10.544	− 4
310	Br. 1147	5.8	8 8 46.120	+7.6215	+ 58	+76 1 15.93	−10.663	+ 17
311	20 Navis	5.3	8 9 22.816	+2.7581	− 8	−15 31 42.64	−10.731	− 6
312	β Cancri	3.5	8 11 51.167	+3.2563	− 30	+ 9 27 4.68	−10.959	− 52
313	[*q* Puppis]	4.4	8 15 20.090	+2.2440	−104	−36 23 32.21	−11.072	+ 89
314	31 Lyncis	4.4	8 16 57.186	+4.1189	− 8	+43 27 53.39	−11.386	− 108
315	ε Argus	1.7	8 20 45.045	+1.2349	− 32	−59 13 56.49	−11.536	+ 15
316	Br. 1197	3.6	8 21 21.849	+2.9994	− 41	− 3 37 30.71	−11.616	− 21
317	o Ursae maj.	3.3	8 23 7.814	+5.0116	−174	+61 0 24.20	−11.832	− 111
318	ϑ Chamael.	4.2	8 23 14.330	−1.7460	−456	−77 12 26.61	−11.699	+ 30
319	[β Volantis]	3.7	8 24 48.300	+0.6622	− 53	−65 50 59.07	−12.016	− 177
320	Gr. 1450	6.3	8 27 19.805	+3.9094	− 83	+38 18 43.80	−12.187	− 170

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			h m s	s		° ′ ″	″	
321	η Cancri	5.6	8 27 44.284	+3.4744	− 26	+20 44 2.56	−12.096	− 50
322	[Gr. 1446]	6.4	8 30 10.418	+6.7478	− 36	+73 55 54.01	−12.320	−104
323	[Gr. 1460]	6.3	8 32 55.721	+4.4626	− 38	+53 0 49.77	−12.440	− 35
324	[e Velorum]	4.2	8 34 37.138	+2.1078	− 22	−42 41 16.15	−12.528	− 7
325	[6 Hydrae]	5.4	8 35 56.991	+2.8422	− 64	−12 10 14.76	−12.615	− 3
326	δ Cancri	3.9	8 39 48.008	+3.4140	− 9	+18 28 15.82	−13.108	−236
327	α Pyxidis	3.7	8 40 8.156	+2.4098	− 15	−32 52 33.00	−12.882	+ 12
328	ι Cancri	4.1	8 41 29.790	+3.6375	− 12	+29 4 30.72	−13.032	− 47
329	[ε Hydrae]	3.3	8 42 13.394	+3.1799	− 126	+ 6 44 5.97	−13.084	− 50
330	δ Argus	2.0	8 42 19.743	+1.6575	+ 22	−54 23 35.32	−13.134	− 93
331	[η Chamael.]	5.9	8 44 16.303	−1.9626	− 151	−78 39 5.28	−13.136	+ 34
332	[γ Pyxidis]	4.2	8 46 52.906	+2.5458	− 100	−27 23 25.12	−13.247	+ 93
333	[σ² Cancri med.]	5.6	8 49 0.068	+3.6678	+ 31	+30 54 20.79	−13.504	− 26
334	ζ Hydrae	3.1	8 50 50.949	+3.1741	− 64	+ 6 16 24.52	−13.586	+ 12
336	c Carinae	4.0	8 53 6.985	+1.3631	− 26	−60 18 56.13	−13.689	+ 52
335	ι Ursae maj.	2.9	8 53 19.583	+4.1230	− 437	+48 22 48.17	−14.003	−247
337	α Cancri	4.1	8 53 47.139	+3.2848	+ 26	+12 11 28.58	−13.820	− 35
338	[ρ Ursae maj.]	4.9	8 54 48.495	+5.4563	− 34	+67 57 56.75	−13.835	+ 15
339	10 Ursae maj.	3.9	8 55 3.785	+3.9071	− 383	+42 7 26.26	−14.130	−264
340	[Gr. 1501]	5.9	8 57 42.849	+4.4158	− 8	+54 37 25.16	−14.030	+ 3
341	κ Ursae maj.	3.3	8 57 45.644	+4.1110	− 27	+47 29 50.56	−14.100	− 65
343	α Volantis	4.1	9 1 5.517	+0.9543	− 7	−66 3 9.61	−14.355	−114
342	[c Velorum]	3.9	9 1 11.193	+2.0661	− 70	−46 45 18.07	−14.276	− 28
344	σ² Ursae maj.	4.9	9 2 50.600	+5.3221	− 16	+67 29 4.86	−14.417	− 67
345	λ Argus	2.1	9 4 49.866	+2.2043	− 33	−43 5 5.57	−14.461	+ 9
346	[36 Lyncis]	5.3	9 8 11.098	+3.9372	− 18	+43 34 22.60	−14.714	− 42
347	ϑ Hydrae	3.9	9 9 53.472	+3.1237	+ 89	+ 2 40 39.56	−15.086	−313
348	β Argus	1.7	9 12 15.673	+0.6710	− 303	−69 21 46.16	−14.815	+ 97
349	[38 Lyncis]	3.9	9 13 29.858	+3.7438	− 18	+37 10 1.82	−15.114	−129
350	83 Cancri	6.7	9 14 11.041	+3.3532	− 80	+18 4 13.90	−15.160	−135
351	[ι Argus]	2.2	9 14 47.251	+1.6061	− 35	−58 54 50.67	−15.057	+ 2
352	40 Lyncis	3.2	9 15 49.211	+3.6637	− 178	+34 45 24.59	−15.107	+ 12
353	κ Argus	2.5	9 19 26.956	+1.8563	− 22	−54 38 34.87	−15.323	+ 2
354	α Hydrae	2.0	9 23 21.711	+2.9490	− 7	− 8 17 7.13	−15.511	+ 32
355	h Ursae maj.	3.5	9 24 45.805	+4.7647	+ 168	+63 26 19.24	−15.592	+ 28
356	[ε Antliae]	4.7	9 25 41.673	+2.4741	− 25	−35 34 29.35	−15.685	− 14
357	d Ursae maj.	4.5	9 26 54.027	+5.3610	− 121	+70 12 33.24	−15.663	+ 75
358	ϑ Ursae maj.	3.1	9 27 6.814	+4.0308	−1028	+52 4 11.73	−16.295	−547
359	ψ Argus	3.6	9 27 18.682	+2.3602	− 172	−40 5 23.04	−15.685	+ 74
361	[N Velorum]	3.0	9 28 36.527	+1.8228	− 36	−56 39 16.42	−15.828	+ 1

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
360	10 Leon. min.	4.6	9h 28m 57s.590	+3s.6856	+ 13	+36° 46′ 48″.02	−15″.874	− 26
362	[*H* Carinae]	5.8	9 30 58.083	+0.4691	− 61	−72 41 57.81	−15.971	− 17
363	[Gr. 1564]	5.9	9 34 54.391	+5.1889	−131	+69 37 46.94	−16.235	− 74
364	[ϰ Hydrae]	5.1	9 36 11.005	+2.8760	− 18	−13 56 29.66	−16.238	− 11
365	[ο Leonis]	3.8	9 36 33.755	+3.2052	− 94	+10 17 2.74	−16.284	− 37
366	ϑ Antliae	5.0	9 40 22.035	+2.6726	− 40	−27 22 31.10	−16.404	+ 35
367	ε Leonis	3.0	9 40 58.368	+3.4115	− 31	+24 10 14.68	−16.486	− 17
368	υ Ursae maj.	3.8	9 44 53.160	+4.2932	−379	+59 26 38.03	−16.816	−154
369	υ Argus	3.0	9 44 57.168	+1.5013	− 21	−64 40 22.03	−16.666	− 1
370	6 Sextantis	6.2	9 46 54.051	+3.0242	+ 8	− 3 50 23.58	−16.789	− 30
371	[μ Leonis]	4.0	9 47 52.546	+3.4182	−162	+26 24 45.07	−16.862	− 57
372	Gr. 1586	6.3	9 50 43.321	+5.4345	−180	+73 17 20.97	−16.986	− 45
373	[Hydrae 183 G.]	5.5	9 50 48.836	+2.8298	− 24	−18 36 6.14	−17.011	− 66
374	[19 Leon. min.]	5.2	9 52 25.378	+3.6865	−100	+41 27 56.42	−17.046	− 27
375	[φ Argus]	3.7	9 53 50.496	+2.1028	− 21	−54 9 29.15	−17.087	− 2
377	[η Antliae]	5.3	9 55 10.777	+2.5708	− 83	−35 28 44.28	−17.170	− 24
376	[12 Sextantis]	6.7	9 55 15.489	+3.1138	− 47	+ 3 47 46.99	−17.122	+ 27
378	π Leonis	4.9	9 55 40.222	+3.1731	− 21	+ 8 27 26.20	−17.193	− 25
379	η Leonis	3.4	10 2 38.772	+3.2748	− 2	+17 10 56.82	−17.481	− 6
380	α Leonis	1.3	10 3 47.628	+3.1985	−167	+12 23 16.46	−17.524	− 1
381	λ Hydrae	3.7	10 6 23.736	+2.9249	−134	−11 55 42.95	−17.720	− 87
382	*q* Velorum	3.9	10 11 7.370	+2.5127	−154	−41 41 43.71	−17.781	+ 45
385	[ω Argus]	3.4	10 11 41.800	+1.4332	− 28	−69 36 38.29	−17.849	0
384	ζ Leonis	3.4	10 11 54.610	+3.3425	+ 15	+23 50 46.75	−17.865	− 7
383	λ Ursae maj.	3.4	10 11 54.964	+3.6309	−148	+43 20 39.20	−17.907	− 49
386	μ Ursae maj.	3.0	10 17 12.680	+3.5861	− 70	+41 55 56.61	−18.039	+ 24
387	30 H. Urs. maj.	5.0	10 17 56.709	+4.3630	− 25	+66 0 6.55	−18.109	− 18
388	[25 Sextantis]	6.2	10 19 5.686	+3.0324	− 40	− 3 38 20.80	−18.136	− 2
389	μ Hydrae	3.9	10 21 55.847	+2.9009	− 85	−16 23 49.05	−18.320	− 82
391	*J* Carinae	4.1	10 22 41.406	+1.1962	− 67	−73 35 37.08	−18.283	− 17
390	31 Leon. min.	4.2	10 22 54.917	+3.4792	− 96	+37 8 53.85	−18.380	−106
392	Lac. α Antliae	4.2	10 23 12.893	+2.7421	− 62	−30 37 46.55	−18.275	+ 10
393	*s* Carinae	4.1	10 24 43.130	+2.1955	− 32	−58 18 0.13	−18.352	− 14
394	36 Ursae maj.	4.8	10 25 7.945	+3.8606	−217	+56 25 19.10	−18.386	− 33
395	9 H. Dracon.	4.9	10 27 49.102	+5.1858	− 96	+76 9 23.55	−18.450	− 4
396	[ρ Leonis]	3.8	10 28 17.057	+3.1615	− 6	+ 9 44 58.14	−18.467	− 5
397	[*p* Carinae]	3.5	10 28 57.866	+2.1288	− 18	−61 14 33.56	−18.480	+ 5
398	[37 Ursae maj.]	5.2	10 29 37.919	+3.8875	+ 83	+57 31 33.48	−18.472	+ 36
399	[44 Hydrae]	5.6	10 29 55.404	+2.8519	− 2	−23 18 6.15	−18.497	+ 21
400	[*p* Velorum]	4.0	10 33 40.973	+2.5126	−183	−47 46 43.47	−18.674	− 34

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
401	[γ Chamael.]	4.2	10 34 27.734	+0.7363	−116	−78 9 41.52	−18.636	+ 30
402	[x Velorum]	4.4	10 35 52.673	+2.3762	− 75	−55 9 18.88	−18.731	− 21
403	[35 H. Urs. maj.]	5.1	10 36 55.648	+4.3398	− 19	+69 31 34.98	−18.761	− 18
404	33 Sextantis	6.6	10 37 1.718	+3.0526	− 94	− 1 17 21.22	−18.872	−125
405	[41 Leon. min.]	5.2	10 38 44.581	+3.2676	− 81	+23 38 20.40	−18.786	+ 13
406	ϑ Argus	2.8	10 39 53.159	+2.1339	− 26	−63 56 37.03	−18.829	+ 4
407	42 Leon. min.	5.3	10 41 5.210	+3.3436	− 15	+31 8 8.15	−18.907	− 37
408	μ Argus	2.7	10 43 3.982	+2.5717	+ 49	−48 57 56.22	−18.992	− 65
409	*l* Leonis	5.4	10 44 44.297	+3.1561	− 3	+11 0 1.85	−19.005	− 30
411	[δ² Chamael.]	4.7	10 44 59.506	+0.6026	−119	−80 5 11.27	−18.972	+ 9
410	[ν Hydrae]	3.2	10 45 22.846	+2.9587	+ 66	−15 44 36.21	−18.798	+195
412	[46 Leon. min.]	3.9	10 48 30.391	+3.3639	+ 76	+34 40 43.64	−19.360	−282
414	[ι Antliae]	4.9	10 52 42.448	+2.7907	+ 62	−36 40 30.91	−19.325	−137
413	[Br. 1508]	6.4	10 53 6.573	+4.8923	−260	+78 13 52.51	−19.225	− 26
415	*i* Velorum	4.5	10 56 12.343	+2.7466	+ 20	−41 45 51.98	−19.278	− 4
416	β Ursae maj.	2.3	10 56 39.645	+3.6409	+101	+56 50 37.04	−19.259	+ 26
417	α Ursae maj.	1.8	10 58 25.883	+3.7283	−175	+62 12 55.79	−19.398	− 72
418	χ Leonis	4.8	11 0 34.920	+3.0965	−231	+ 7 48 4.21	−19.422	− 46
419	[χ Hydrae]	4.8	11 1 11.152	+2.8857	−154	−26 49 45.29	−19.396	− 7
420	ψ Ursae maj.	3.0	11 4 50.048	+3.3851	− 57	+44 57 55.07	−19.504	− 36
421	β Crateris	4.3	11 7 25.591	+2.9476	0	−22 21 21.92	−19.618	− 98
422	δ Leonis	2.4	11 9 32.217	+3.1952	+106	+20 59 42.22	−19.698	−136
423	ϑ Leonis	3.3	11 9 43.731	+3.1512	− 43	+15 53 59.32	−19.647	− 81
424	[Gr. 1757]	6.1	11 11 51.414	+3.3943	− 97	+49 56 44.64	−19.628	− 22
425	ν Ursae maj.	3.4	11 13 50.249	+3.2484	− 16	+33 33 49.31	−19.619	+ 22
426	δ Crateris	3.6	11 15 2.385	+2.9973	− 88	−14 18 46.81	−19.461	+200
427	σ Leonis	4.1	11 16 42.163	+3.0950	− 62	+ 6 30 2.94	−19.701	− 12
428	π Centauri	4.1	11 17 4.821	+2.7258	− 41	−54 1 10.53	−19.708	− 13
429	Gr. 1771	6.2	11 17 45.371	+3.5920	− 10	+64 48 4.80	−19.672	+ 34
430	[ι Leonis]	4.0	11 19 26.524	+3.1290	+106	+11 0 10.94	−19.816	− 84
431	[γ Crateris]	4.0	11 20 35.036	+2.9946	− 72	−17 12 41.29	−19.743	+ 7
432	[58 Ursae maj.]	6.1	11 25 52.205	+3.2574	− 44	+43 38 43.44	−19.752	+ 72
433	λ Draconis	3.6	11 26 18.788	+3.5968	− 80	+69 48 21.00	−19.851	− 21
434	ξ Hydrae	3.6	11 28 46.138	+2.9452	−167	−31 22 54.03	−19.903	− 43
435	[*C* Centauri]	5.5	11 31 45.158	+2.8967	+ 13	−47 9 52.60	−19.941	− 47
436	λ Centauri	3.3	11 31 48.482	+2.7512	− 58	−62 32 38.01	−19.911	− 17
437	υ Leonis	4.4	11 32 32.725	+3.0717	+ 1	− 0 20 56.00	−19.866	+ 36
438	[π Chamael.]	6.1	11 33 42.476	+2.4567	−277	−75 25 13.24	−19.919	− 5
439	[ο Hydrae]	4.8	11 35 56.325	+2.9742	− 30	−34 16 4.60	−19.934	+ 1
440	3 Draconis	5.4	11 37 41.229	+3.3742	− 78	+67 13 15.62	−19.911	+ 40

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0^s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
441	χ Ursae maj.	3.8	11 41 30.871	+3.1799	—133	+48 15 22.59	—19.961	+ 20
442	[λ Muscae]	3.7	11 41 32.440	+2.8129	—152	—66 15 7.04	—19.961	+ 20
443	[Centauri 65 G.]	4.2	11 42 20.852	+2.8868	— 25	—60 42 0.97	—20.021	— 35
444	β Leonis	2.1	11 44 40.457	+3.0625	—341	+15 3 10.26	—20.119	—118
445	β Virginis	3.5	11 46 12.935	+3.1252	+494	+ 2 14 57.74	—20.286	—276
446	[B Centauri]	4.8	11 46 50.358	+2.9856	—111	—44 41 42.32	—20.059	— 46
447	γ Ursae maj.	2.3	11 49 18.795	+3.1696	+108	+54 10 22.40	—20.022	+ 2
448	[ε Chamael.]	5.0	11 55 20.268	+2.9314	—161	—77 44 34.49	—20.050	— 9
449	[Centauri 88 G.]	5.5	11 59 11.977	+3.0951	+267	—41 57 9.05	—20.168	—122
450	ο Virginis	4.1	12 0 49.735	+3.0571	—147	+ 9 12 38.01	—20.008	+ 38
451	[Gr. 1852]	6.0	12 0 53.761	+3.0932	+439	+77 23 11.92	—20.142	— 96
452	δ Centauri	2.7	12 3 53.728	+3.0955	— 44	—50 14 36.38	—20.061	— 18
453	ε Corvi	3.0	12 5 41.950	+3.0810	— 51	—22 8 29.33	—20.029	+ 11
454	4 H. Draconis	5.0	12 8 11.067	+2.8486	+ 23	+78 5 38.75	—20.010	+ 23
455	[δ Crucis]	3.0	12 10 34.263	+3.1672	— 50	—58 16 14.32	—20.051	— 27
456	δ Ursae maj.	3.4	12 11 10.561	+2.9839	+136	+57 30 37.28	—20.019	+ 3
457	[γ Corvi]	2.4	12 11 22.871	+3.0818	—112	—17 3 52.16	—20.004	+ 17
458	[2 Can. ven.]	5.9	12 11 49.224	+3.0150	+ 26	+41 8 19.59	—20.064	— 45
459	β Chamael.	4.4	12 13 16.650	+3.4504	—142	—78 50 5.11	—20.000	+ 12
460	η Virginis	3.7	12 15 30.331	+3.0687	— 42	— 0 11 20.24	—20.023	— 23
461	[6 Can. ven.]	5.3	12 21 36.917	+2.9622	— 67	+39 29 44.36	—19.993	— 36
462	α Crucis md.	1.0	12 21 48.617	+3.3134	— 44	—62 37 22.56	—19.986	— 31
463	[Hydr. 323 G.]	5.7	12 22 19.507	+3.1535	— 14	—32 21 12.68	—20.000	— 49
464	[σ Centauri]	4.1	12 23 22.977	+3.2298	— 36	—49 45 16.05	—19.974	— 33
466	20 Comae	6.0	12 25 24.122	+3.0173	+ 26	+21 22 19.89	—19.961	— 39
465	δ Corvi	2.8	12 25 24.742	+3.1006	—145	—16 2 12.31	—20.065	—142
467	[74 Ursae maj.]	5.6	12 25 56.611	+2.8129	— 96	+58 52 43.67	—19.829	+ 88
468	[γ Crucis]	1.6	12 26 23.239	+3.3083	+ 26	—56 37 54.50	—20.191	—278
469	[γ Muscae]	3.9	12 27 18.994	+3.5438	— 81	—71 39 29.20	—19.925	— 22
470	8 Can. ven.	4.3	12 29 39.717	+2.8557	—625	+41 49 28.57	—19.598	+280
472	κ Draconis	3.6	12 29 49.145	+2.5776	—117	+70 15 43.73	—19.869	+ 7
471	β Corvi	2.6	12 29 51.979	+3.1456	— 4	—22 55 16.67	—19.935	— 59
473	24 Comae seq.	5.1	12 30 49.033	+3.0116	+ 2	+18 51 1.30	—19.846	+ 18
474	α Muscae	2.8	12 32 2.590	+3.5437	— 55	—68 39 42.83	—19.882	— 32
475	[χ Virginis]	4.9	12 34 48.378	+3.0944	— 49	— 7 31 20.94	—19.852	— 37
476	γ Centauri	2.3	12 36 46.006	+3.2933	—205	—48 29 15.48	—19.808	— 19
477	[γ Virgin. m.]	3.5,3.5	12 37 18.101	+3.0388	—375	— 0 58 40.56	—19.776	+ 5
478	76 Ursae maj.	6.2	12 37 48.797	+2.6338	— 45	+63 11 6.29	—19.790	— 17
479	[Hydr. 330 G.]	5.9	12 39 25.285	+3.1909	— 26	—27 51 7.95	—19.800	— 50
480	[β Muscae]	3.2	12 40 59.631	+3.6452	— 53	—67 38 15.06	—19.757	— 31

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
481	β Crucis	1.4	12 42 41.205	+3.4821	— 59	—59 13 7.65	—19.726	— 27
482	n Centauri	4.4	12 48 40.062	+3.3110	+ 45	—39 42 41.24	—19.633	— 37
483	ε Ursae maj.	1.7	12 50 14.988	+2.6483	+137	+56 25 35.14	—19.577	— 11
484	δ Virginis	3.4	12 51 16.251	+3.0210	—315	+ 3 51 52.30	—19.609	— 63
485	12 Can. ven. sq.	2.8	12 52 0.436	+2.8111	—199	+38 46 57.36	—19.481	+ 50
486	8 Draconis	5.2	12 52 3.361	+2.3981	— 15	+65 54 17.42	—19.564	— 34
487	[δ Muscae]	3.6	12 56 20.143	+4.0744	+528	—71 5 7.01	—19.479	— 36
488	ε Virginis	2.8	12 57 53.755	+2.9866	—185	+11 25 16.14	—19.391	+ 18
489	[ξ² Centauri]	4.3	13 1 52.951	+3.4857	— 35	—49 26 45.44	—19.349	— 30
490	ϑ Virginis	4.3	13 5 29.737	+3.1037	— 24	— 5 4 48.59	—19.272	— 39
491	[17 Can. ven.]	6.1	13 6 6.405	+2.7593	— 59	+38 57 20.35	—19.186	+ 32
492	43 Comae	4.2	13 7 51.689	+2.8023	—602	+28 18 49.74	—18.294	+879
493	[η Muscae]	5.0	13 9 24.435	+4.0286	— 33	—67 26 21.06	—19.163	— 30
494	[20 Can. ven.]	4.6	13 13 41.313	+2.6944	—107	+41 1 30.02	—19.010	+ 8
495	γ Hydrae	3.1	13 14 14.592	+3.2558	+ 51	—22 43 5.44	—19.057	— 53
496	ι Centauri	2.9	13 15 45.417	+3.3614	—293	—36 15 32.39	—19.052	— 92
497	ζ Urs. maj. pr.	2.2	13 20 27.930	+2.4213	+144	+55 22 27.18	—18.848	— 25
498	α Virginis	1.1	13 20 39.611	+3.1570	— 28	—10 42 45.97	—18.850	— 33
499	Gr. 2001	6.2	13 23 56.390	+1.5264	+ 35	+72 50 16.30	—18.731	— 15
500	69 H. Urs. maj.	5.5	13 25 17.840	+2.2065	—110	+60 23 23.01	—18.636	+ 37
501	ζ Virginis	3.3	13 30 18.588	+3.0550	—190	— 0 9 23.78	—18.474	+ 35
502	17 H. Can. ven.	4.9	13 30 57.488	+2.6809	+ 64	+37 37 21.58	—18.501	— 14
503	[Chamael. 49 G.]	6.4	13 31 48.673	+5.0465	— 49	—75 14 44.16	—18.472	— 14
504	ε Centauri	2.4	13 34 25.783	+3.7798	— 37	—53 1 46.54	—18.402	— 34
505	[Gr. 2029]	5.9	13 35 6.932	+1.4366	— 86	+71 40 46.97	—18.344	0
506	[i Centauri]	4.3	13 40 47.746	+3.3995	—371	—32 36 33.22	—18.294	—156
507	τ Bootis	4.5	13 43 10.522	+2.8509	—340	+17 53 5.83	—18.020	+ 29
509	η Ursae maj.	1.8	13 44 9.229	+2.3679	—119	+49 44 31.69	—18.031	— 20
508	[μ Centauri]	3.3	13 44 25.764	+3.6001	— 28	—42 2 44.07	—18.020	— 19
510	89 Virginis	5.2	13 45 11.758	+3.2547	— 69	—17 42 22.14	—18.009	— 38
511	[i Draconis]	4.8	13 48 55.230	+1.7524	0	+65 8 52.40	—17.826	— 2
512	ζ Centauri	2.6	13 50 10.016	+3.7251	— 70	—46 51 55.78	—17.835	— 60
513	η Bootis	2.8	13 50 35.394	+2.8570	— 42	+18 49 42.23	—18.121	—364
514	[Cent. 294 G.]	4.9	13 51 24.754	+4.3075	— 46	—63 15 55.90	—17.758	— 35
515	[47 Hydrae]	5.5	13 53 41.400	+3.3598	— 34	—24 33 10.55	—17.670	— 40
516	τ Virginis	4.2	13 57 16.118	+3.0515	+ 13	+ 1 57 36.76	—17.508	— 30
517	11 Bootis	6.3	13 57 16.552	+2.7219	— 57	+27 48 5.51	—17.470	+ 8
518	β Centauri	1	13 57 44.601	+4.2054	— 28	—59 57 31.39	—17.498	— 40
519	[π Hydrae]	3.4	14 1 28.192	+3.4090	+ 29	—26 16 6.94	—17.448	—153
520	ϑ Centauri	2.1	14 1 36.938	+3.5191	—439	—35 56 50.62	—17.819	—530

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
521	α Draconis	3.4	14 2 3.605	+1.6231	− 83	+64 47 11.92	−17.253	+ 17
522	*d* Bootis	4.9	14 6 28.643	+2.7373	− 12	+25 29 54.98	−17.139	− 69
523	ϰ Virginis	4.2	14 8 18.352	+3.1966	+ 4	− 9 52 26.08	−16.851	+ 134
524	4 Ursae min.	5.0	14 9 9.836	−0.2836	− 113	+77 57 5.91	−16.913	+ 32
525	ι Virginis	4.0	14 11 30.153	+3.1422	− 14	− 5 35 26.41	−17.266	− 431
526	α Bootis	1	14 11 44.300	+2.7357	− 777	+19 37 46.89	−18.824	−2000
527	λ Bootis	4.0	14 13 6.924	+2.2826	− 177	+46 28 58.01	−16.606	+ 152
528	[ι Bootis]	4.6	14 13 7.252	+2.1261	− 159	+51 45 48.75	−16.672	+ 86
529	[υ Centauri]	4.4	14 14 18.425	+4.1633	− 47	−55 59 27.72	−16.740	− 39
530	[Circini 10 G.]	5.9	14 17 57.292	+4.9232	− 41	−67 48 18.06	−16.558	− 36
531	ϑ Bootis	3.9	14 22 16.175	+2.0431	− 257	+52 14 52.30	−16.710	− 404
532	[52 Hydrae]	5.1	14 23 7.913	+3.5048	− 28	−29 6 20.61	−16.292	− 30
533	[φ Virginis]	5.0	14 23 46.185	+3.0888	− 90	− 1 50 34.77	−16.236	− 7
534	ρ Bootis	3.7	14 28 7.437	+2.5863	− 75	+30 44 54.32	−15.890	+ 113
535	γ Bootis	2.9	14 28 36.935	+2.4170	− 93	+38 41 2.25	−15.832	+ 145
536	[Gr. 2125]	6.4	14 29 22.703	+1.6278	− 59	+60 36 15.41	−15.918	+ 19
537	η Centauri	2.5	14 30 2.401	+3.7960	− 36	−41 46 50.45	−15.938	− 36
538	α Centauri[1])	1	14 33 44.880	+4.0528	−4870	−60 28 51.94	−14.987	+ 715
539	[α Circini]	3.3	14 35 32.434	+4.8075	− 320	−64 36 4.84	−15.842	− 238
540	[33 Bootis]	5.5	14 35 38.210	+2.2330	− 68	+44 46 31.07	−15.624	− 26
541	[α Lupi]	2.4	14 36 12.177	+3.9741	− 20	−47 1 11.19	−15.603	− 36
543	ζ Bootis m.	3.6	14 37 2.486	+2.8639	+ 37	+14 5 47.82	−15.548	− 27
542	α Apodis	3.8	14 37 7.184	+7.2937	− 57	−78 40 51.40	−15.552	− 35
544	[c¹ Centauri]	4.1	14 38 23.520	+3.6586	− 61	−34 48 14.58	−15.644	− 198
545	μ Virginis	3.9	14 38 31.556	+3.1583	+ 69	− 5 17 5.80	−15.765	− 327
546	[*b* Lupi]	5.9	14 40 59.869	+4.1761	− 24	−52 1 12.87	−15.392	− 92
547	109 Virginis	3.7	14 41 53.983	+3.0310	− 75	+ 2 15 16.65	−15.288	− 39
548	α Librae	2.7	14 46 7.068	+3.3137	− 77	−15 41 6.19	−15.080	− 73
549	Gr. 2164	5.8	14 49 15.316	+1.5196	− 170	+59 38 35.08	−14.694	+ 130
550	β Ursae min.	2.0	14 50 56.581	−0.2069	− 78	+74 30 25.14	−14.716	+ 7
551	P. XIV, 221	6.0	14 52 9.637	+2.8307	− 10	+14 47 35.45	−14.669	− 18
552	β Lupi	2.7	14 52 53.519	+3.9146	− 51	−42 47 17.87	−14.668	− 60
553	[ϰ Centauri]	3.2	14 53 33.634	+3.8902	− 21	−41 45 35.28	−14.601	− 33
554	[2 H. Urs. min.]	4.8	14 56 12.654	+0.9436	− 148	+66 16 29.42	−14.373	+ 34
555	β Bootis	3.3	14 58 42.393	+2.2600	− 36	+40 43 45.10	−14.297	− 43
556	γ Scorpii	3.4	14 59 1.965	+3.5046	− 57	−24 56 41.02	−14.290	− 55
557	ψ Bootis	4.5	15 0 45.623	+2.5705	− 131	+27 16 56.54	−14.142	− 15
558	ζ Lupi	3.4	15 6 5.874	+4.2905	− 133	−51 46 21.67	−13.865	− 73
559	[ι Librae]	4.6	15 7 18.951	+3.4139	− 32	−19 28 1.18	−13.762	− 47
561	[β Circini]	4.2	15 10 46.237	+4.6712	− 130	−58 28 51.16	−13.642	− 149

Nr.	Name	Gr.	AR. 1914.0 (h m s)	Jährl. Veränderung (s)	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1914.0 (° ′ ″)	Jährl. Veränderung (″)	Jährl. Eigenbew. in Einh. von 0″.001
560	γ Triang. austr.	2.9	15 10 51.819	+5.5549	−101	−68 21 46.33	−13.524	− 37
562	[3 Serpentis]	5.5	15 10 54.790	+2.9803	− 12	+ 5 15 28.53	−13.490	− 7
563	δ Bootis	3.2	15 12 2.136	+2.4191	+ 73	+33 38 6.26	−13.532	− 122
564	β Librae	2.5	15 12 22.620	+3.2249	− 64	− 9 3 58.72	−13.416	− 27
565	1 H. Urs. min.	5.3	15 13 38.788	+0.6774	+386	+67 40 23.21	−13.701	− 396
566	φ¹ Lupi	3.5	15 16 20.637	+3.7968	− 82	−35 57 0.59	−13.223	− 95
569	γ Ursae min.	3.0	15 20 51.315	−0.1176	− 32	+72 8 24.03	−12.811	+ 16
568	μ Bootis	4.1	15 21 14.474	+2.2661	−123	+37 40 41.57	−12.721	+ 81
570	[τ¹ Serpentis]	5.5	15 21 48.027	+2.7813	− 11	+15 43 46.99	−12.788	− 24
567	[κ¹ Apodis]	5.9	15 22 6.930	+6.4669	+ 5	−73 5 32.86	−12.781	− 37
571	ι Draconis	3.2	15 23 0.882	+1.3314	− 5	+59 16 1.20	−12.667	+ 14
572	β Coron. bor.	3.7	15 24 16.987	+2.4737	−131	+29 24 5.54	−12.520	+ 76
573	ν¹ Bootis	4.8	15 27 50.395	+2.1547	+ 10	+41 7 32.45	−12.365	− 13
574	[ε Triang. austr.]	4.3	15 28 50.054	+5.4507	+ 29	−66 1 44.12	−12.366	− 82
575	γ Lupi	2.9	15 29 24.225	+3.9859	− 26	−40 52 42.62	−12.284	− 39
576	[ϑ Coron. bor.]	4.1	15 29 27.679	+2.4185	− 17	+31 38 55.37	−12.267	− 26
577	γ Librae	4.1	15 30 42.777	+3.3518	+ 43	−14 30 12.30	−12.151	+ 3
578	α Coron. bor.	2.2	15 31 2.777	+2.5397	+ 93	+27 0 12.50	−12.229	− 98
579	[3 H. Scorpii]	3.9	15 31 47.964	+3.6350	− 11	−27 51 3.78	−12.088	− 11
580	[φ Bootis]	5.3	15 34 44.280	+2.1544	+ 58	+40 37 58.32	−11.820	+ 52
581	[γ Coron. bor.]	3.8	15 39 7.862	+2.5193	− 74	+26 34 2.58	−11.526	+ 34
582	α Serpentis	2.5	15 40 1.847	+2.9532	+ 91	+ 6 41 43.72	−11.453	+ 42
583	β Serpentis	3.4	15 42 13.074	+2.7681	+ 51	+15 41 24.85	−11.393	− 55
584	κ Serpentis	4.0	15 44 52.087	+2.6998	− 31	+18 24 23.15	−11.244	− 98
585	μ Serpentis	3.3	15 45 7.819	+3.1282	− 59	− 3 10 4.12	−11.159	− 31
587	[12 H. Dracon.]	5.3	15 45 21.125	+0.9078	+ 55	+62 51 54.28	−11.173	− 62
586	[χ Lupi]	4.1	15 45 29.362	+3.8039	− 15	−33 21 57.39	−11.132	− 30
588	ε Serpentis	3.5	15 46 31.667	+2.9886	+ 84	+ 4 44 9.02	−10.966	+ 59
590	ζ Ursae min.	4.3	15 47 6.182	−2.2079	+ 60	+78 3 34.46	−10.984	− 1
589	β Triang. austr.	2.9	15 47 33.236	+5.2574	−279	−63 9 58.68	−11.357	− 407
591	[γ Serpentis]	3.7	15 52 28.788	+2.7696	+212	+15 56 29.50	−11.882	−1295
592	[π Scorpii]	4.1	15 53 38.733	+3.6231	− 15	−25 52 2.85	−10.537	− 37
593	ε Coron. bor.	4.0	15 54 1.577	+2.4827	− 61	+27 7 34.42	−10.540	− 68
594	δ Scorpii	2.3	15 55 14.720	+3.5425	− 8	−22 22 40.30	−10.417	− 36
595	[Gr. 2296]	5.1	15 55 44.872	+1.4195	−187	+54 59 32.51	−10.232	+ 111
598	ϑ Draconis	3.8	16 0 16.554	+1.1205	−402	+58 47 40.74	− 9.662	+ 340
596	[δ Normae]	4.8	16 0 24.444	+4.2282	− 5	−44 56 27.39	− 9.986	+ 6
597	β Scorpii	2.6	16 0 26.013	+3.4838	− 7	−19 34 15.35	−10.017	− 27
599	[ϑ Lupi]	4.4	16 0 56.406	+3.9303	− 29	−36 34 8.57	− 9.992	− 41
601	[φ Herculis]	4.0	16 6 3.564	+1.8892	− 23	+45 9 35.37	− 9.529	+ 31

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
600	[κ Normae]	5.3	16h 6m 41s.214	+4s.7121	− 42	−54° 24′ 33″.33	−9″.577	− 65
602	[δ Triang. austr.]	4.0	16 7 35.994	+5.4344	+ 7	−63 28 1.48	−9.468	− 26
603	δ Ophiuchi	2.8	16 9 50.234	+3.1415	− 30	− 3 28 25.42	−9.418	−150
606	19 Ursae min.	5.8	16 13 15.564	−1.7507	− 4	+76 5 40.30	−8.990	+ 12
604	γ² Normae	4.2	16 13 23.891	+4.4743	−190	−49 56 43.88	−9.052	− 61
605	ε Ophiuchi	3.2	16 13 46.151	+3.1716	+ 53	− 4 29 1.43	−8.931	+ 31
607	[σ Scorpii]	3.1	16 15 57.485	+3.6415	− 11	−25 23 14.56	−8.824	− 33
608	τ Herculis	3.6	16 17 9.298	+1.8021	− 9	+46 31 3.53	−8.664	+ 32
609	γ Herculis	3.5	16 18 7.525	+2.6452	− 36	+19 21 15.75	−8.580	+ 40
610	[ζ Triang. austr.]	5.2	16 19 12.053	+6.4121	+366	−69 53 31.05	−8.452	+ 83
612	[η Ursae min.]	5.1	16 20 0.137	−1.7901	−215	+75 57 14.32	−8.215	+256
611	γ Apodis	3.9	16 20 13.358	+9.1015	−385	−78 42 21.39	−8.525	− 70
613	[ω Herculis]	4.7	16 21 26.764	+2.7674	+ 28	+14 13 49.55	−8.425	− 68
614	[Gr. 2343]	5.8	16 22 32.407	+1.3099	+ 20	+55 24 1.01	−8.252	+ 18
615	η Draconis	2.7	16 22 49.396	+0.8068	− 28	+61 42 31.17	−8.186	+ 61
616	α Scorpii	1.2	16 24 7.892	+3.6739	− 7	−26 14 31.50	−8.171	− 28
618	β Herculis	2.6	16 26 31.335	+2.5781	− 69	+21 40 34.56	−7.972	− 21
617	[λ Ophiuchi]	3.7	16 26 34.477	+3.0238	− 23	+ 2 10 16.44	−8.037	− 90
619	*A* Draconis	5.0	16 28 8.695	−0.1304	− 51	+68 57 15.26	−7.786	+ 35
620	[τ Scorpii]	2.9	16 30 31.543	+3.7297	− 11	−28 2 18.77	−7.662	− 33
621	σ Herculis	4.1	16 31 19.807	+1.9334	− 6	+42 36 49.83	−7.525	+ 38
622	ζ Ophiuchi	2.6	16 32 25.298	+3.3010	+ 9	−10 23 37.57	−7.453	+ 22
623	[Gr. 2373]	6.5	16 34 19.421	−2.6261	−316	+77 37 5.94	−7.045	+275
624	[24 Scorpii]	5.2	16 36 35.819	+3.4664	− 18	−17 34 35.68	−7.137	− 2
625	α Triang. austr.	1.9	16 39 32.779	+6.3230	+ 32	−68 52 16.69	−6.942	− 49
626	η Herculis	3.3	16 39 56.835	+2.0561	+ 34	+39 5 6.96	−6.945	− 84
627	Gr. 2377	4.9	16 43 39.854	+1.1355	+ 29	+56 56 6.56	−6.496	+ 58
628	ε Scorpii	2.3	16 44 35.377	+3.8800	−501	−34 8 16.82	−6.731	−254
629	49 Herculis	6.5	16 48 9.888	+2.7304	+ 12	+15 7 3.81	−6.187	− 6
630	ζ² Scorpii	3.8	16 48 31.625	+4.2131	−134	−42 12 54.00	−6.388	−238
631	ζ Arae	3.0	16 51 29.883	+4.9528	− 30	−55 51 19.68	−5.950	− 48
632	[ε¹ Arae]	4.0	16 52 43.415	+4.7701	− 19	−53 1 46.02	−5.808	− 8
633	κ Ophiuchi	3.2	16 53 35.804	+2.8383	−198	+ 9 30 28.51	−5.740	− 13
634	ε Herculis	3.6	16 56 59.925	+2.2947	− 35	+31 3 8.56	−5.418	+ 24
635	[60 Herculis]	4.9	17 1 23.366	+2.7809	+ 34	+12 51 29.22	−5.086	− 15
636	[Gr. 2415]	6.4	17 4 58.382	+1.9560	− 29	+40 37 40.48	−4.795	− 28
637	η Ophiuchi	2.4	17 5 26.662	+3.4380	+ 23	−15 37 9.62	−4.637	+ 90
638	[η Scorpii]	3.4	17 5 59.443	+4.2914	+ 17	−43 7 36.64	−4.978	−298
639	ζ Draconis	3.0	17 8 32.102	+0.1681	− 28	+65 49 13.75	−4.442	+ 22
640	α Herculis	(3.0)	17 10 43.522	+2.7344	− 8	+14 29 15.18	−4.248	+ 29

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
641	δ Herculis	3.0	17 11 29.920	+2.4635	— 15	+24 56 23.70	—4.369	—159
643	π Herculis	3.1	17 12 3.074	+2.0888	— 21	+36 54 19.66	—4.162	+ 1
642	[ι Apodis]	5.7	17 12 29.820	+6.6710	— 14	—70 2 3.43	—4.152	— 27
644	ϑ Ophiuchi	3.2	17 16 43.567	+3.6816	— 7	—24 54 52.65	—3.787	— 25
645	β Arae	2.7	17 18 8.848	+4.9798	— 14	—55 26 59.31	—3.682	— 42
646	[d Ophiuchi]	4.5	17 21 51.643	+3.8277	+ 6	—29 47 24.49	—3.465	—145
647	[27 H. Ophiuchi]	4.5	17 22 4.051	+3.1823	— 58	— 5 0 41.27	—3.353	— 51
648	δ Arae	3.6	17 23 19.928	+5.4083	— 70	—60 36 47.78	—3.295	—101
650	[x Herculis]	6.0	17 24 27.439	+1.5893	+ 2	+48 19 53.84	—3.115	— 19
649	[υ Scorpii]	2.8	17 24 54.796	+4.0737	— 24	—37 13 41.57	—3.096	— 39
651	α Arae	2.8	17 25 11.460	+4.6325	— 39	—49 48 32.95	—3.126	— 94
652	λ Scorpii	1.7	17 27 45.985	+4.0698	— 14	—37 2 31.37	—2.842	— 32
653	β Draconis	2.7	17 28 29.335	+1.3544	— 15	+52 21 52.62	—2.738	+ 10
655	[ν¹ Draconis]	4.7	17 30 28.926	+1.1803	+176	+55 14 33.43	—2.524	+ 51
657	[ν² Draconis]	4.8	17 30 34.334	+1.1816	+182	+55 13 52.12	—2.515	+ 52
656	α Ophiuchi	2.1	17 30 56.500	+2.7837	+ 79	+12 37 18.47	—2.768	—233
654	ϑ Scorpii	1.9	17 31 8.204	+4.3065	0	—42 56 39.16	—2.536	— 18
659	[f Draconis]	5.2	17 32 18.342	—0.2457	— 32	+68 11 23.55	—2.282	+134
658	ξ Serpentis	3.5	17 32 39.664	+3.4333	— 34	—15 20 43.23	—2.450	— 64
660	[κ Scorpii]	2.5	17 36 32.183	+4.1471	— 15	—38 59 11.80	—2.075	— 26
663	ι Herculis	3.6	17 37 2.196	+1.6927	— 5	+46 3 5.36	—2.009	— 4
661	η Pavonis	3.5	17 37 17.310	+5.8817	— 22	—64 41 2.07	—2.039	— 56
662	[μ Arae]	5.6	17 37 18.840	+4.7590	— 29	—51 47 21.76	—2.189	—208
664	ω Draconis	4.9	17 37 27.164	—0.3544	+ 13	+68 47 52.11	—1.646	+323
665	β Ophiuchi	2.8	17 39 13.411	+2.9627	— 27	+ 4 36 8.39	—1.662	+153
666	[ι¹ Scorpii]	3.0	17 41 34.063	+4.1930	— 10	—40 5 40.59	—1.613	— 3
667	μ Herculis	3.3	17 43 5.506	+2.3467	—242	+27 46 13.03	—2.228	—750
670	ψ Drac. austr.	4.7	17 43 27.887	—1.0739	+ 28	+72 11 28.83	—1.712	—267
668	[γ Ophiuchi]	3.7	17 43 34.797	+3.0073	— 16	+ 2 44 19.56	—1.512	— 77
669	[G Scorpii]	3.1	17 44 0.188	+4.0820	+ 42	—37 1 0.73	—1.372	+ 26
671	ξ Draconis	3.6	17 52 2.490	+1.0370	+120	+56 53 8.94	—0.620	+ 76
675	35 Draconis	5.1	17 53 17.819	—2.6902	+117	+76 58 29.69	—0.345	+241
672	ϑ Herculis	3.8	17 53 18.198	+2.0568	+ 4	+37 15 40.65	—0.581	+ 5
673	ν Ophiuchi	3.4	17 54 17.487	+3.3018	— 7	— 9 45 50.03	—0.617	—118
674	[ξ Herculis]	3.7	17 54 25.359	+2.3309	+ 66	+29 15 22.97	—0.513	— 26
676	γ Draconis	2.3	17 54 36.525	+1.3922	— 9	+51 29 54.79	—0.494	— 22
677	67 Ophiuchi	4.0	17 56 20.249	+3.0041	0	+ 2 56 5.49	—0.333	— 13
678	[Apodis 66 G.]	6.0	17 59 13.623	+8.3862	— 49	—75 53 42.76	—0.337	—270
679	γ Sagittarii	3.0	18 0 16.945	+3.8527	— 48	—30 25 34.07	—0.169	—194
680	72 Ophiuchi	3.6	14 3 16.326	+2.8436	— 42	+ 9 33 2.88	+0.365	+ 79

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0ˢ.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
681	o Herculis	3.8	18ʰ 4ᵐ 11ˢ.250	+2ˢ.3398	+ 2	+28° 44′ 59″.68	+0″.366	0
682	μ Sagittarii	3.9	18 8 37.193	+3.5872	− 3	−21 4 56.32	+0.751	− 3
683	[η Sagittarii]	3.1	18 11 48.433	+4.0588	− 118	−36 47 18.43	+0.869	−163
684	[Gr. 2533]	5.6	18 12 58.247	+1.8652	− 6	+42 7 45.79	+1.127	− 7
685	[36 Draconis]	5.0	18 13 24.097	+0.3454	+ 533	+64 22 4.78	+1.201	+ 29
686	[ξ Pavonis]	4.2	18 15 18.048	+5.5294	− 26	−61 32 2.40	+1.354	+ 17
687	[δ Sagittarii]	2.7	18 15 29.296	+3.8409	+ 27	−29 51 56.13	+1.322	− 32
688	η Serpentis	3.2	18 16 51.572	+3.1034	− 373	− 2 55 19.29	+0.775	−698
689	ε Sagittarii	1.9	18 18 27.818	+3.9826	− 30	−34 25 34.27	+1.486	−127
690	109 Herculis	3.9	18 20 1.977	+2.5560	+ 140	+21 43 47.24	+1.493	−257
691	α Telescopii	3.7	18 20 35.808	+4.4496	− 21	−46 1 0.32	+1.752	− 47
693	[φ Draconis]	4.3	18 21 59.520	−0.8573	− 17	+71 17 32.05	+1.954	+ 33
695	χ Draconis	3.6	18 22 36.509	−1.0795	+1165	+72 41 44.88	+1.609	−365
694	*b* Draconis	5.1	18 22 39.292	+0.8765	− 45	+58 45 2.06	+2.037	+ 59
692	[λ Sagittarii]	2.8	18 22 39.783	+3.7023	− 37	−25 28 12.58	+1.791	−188
696	[2 H. Scuti]	4.8	18 24 17.745	+3.4190	− 3	−14 37 17.27	+2.123	+ 2
697	[ϑ Coron. austr.]	4.7	18 27 21.692	+4.2846	+ 14	−42 22 31.63	+2.364	− 24
698	ζ Pavonis	4.0	18 32 59.522	+7.0235	− 26	−71 30 12.71	+2.698	−178
700	[Gr. 2655]	6.1	18 33 54.614	−2.8811	− 10	+77 28 50.46	+2.953	− 3
699	α Lyrae	1	18 34 1.588	+2.0312	+ 176	+38 42 10.76	+3.246	+281
701	[Gr. 2640]	6.2	18 35 57.110	+0.1899	+ 19	+65 24 41.88	+3.216	+ 84
702	[5 H. Scuti]	5.1	18 38 50.244	+3.2675	+ 13	− 8 21 39.62	+3.390	+ 9
703	110 Herculis	4.1	18 41 57.616	+2.5810	− 12	+20 27 47.67	+3.309	−340
704	λ Pavonis	4.3	18 44 15.085	+5.5669	− 26	−62 17 14.59	+3.819	− 27
705	β Lyrae	(3.3)	18 46 54.279	+2.2147	+ 3	+33 15 44.00	+4.072	− 2
706	σ Sagittarii	2.1	18 49 55.992	+3.7209	+ 4	−26 24 16.29	+4.270	− 63
707	o Draconis	4.6	18 49 55.999	+0.8871	+ 105	+59 16 58.56	+4.357	+ 24
708	λ Telescopii	5.1	18 51 35.090	+4.8049	+ 3	−53 3 7.53	+4.488	+ 14
709	ϑ Serpent. pr.	4.5	18 51 56.654	+2.9824	+ 29	+ 4 5 26.93	+4.532	+ 28
710	[ξ Sagittarii]	3.6	18 52 35.996	+3.5797	+ 18	−21 13 14.23	+4.544	− 16
711	*R* Lyrae	(4.5)	18 52 43.107	+1.8262	+ 28	+43 49 55.96	+4.647	+ 76
714	[υ Draconis]	5.0	18 55 27.333	−0.7244	+ 104	+71 10 56.71	+4.844	+ 40
712	[ε Aquilae]	4.0	18 55 43.131	+2.7220	− 42	+14 57 2.51	+4.746	− 80
713	γ Lyrae	3.2	18 55 43.572	+2.2436	− 4	+32 34 15.34	+4.825	− 2
715	[ζ Sagittarii]	2.7	18 57 8.440	+3.8184	− 21	−30 0 14.12	+4.948	+ 2
716	ζ Aquilae	3.0	19 1 27.430	+2.7569	− 7	+13 44 5.31	+5.211	−101
717	λ Aquilae	3.2	19 1 41.115	+3.1840	− 16	− 5 0 44.42	+5.244	− 87
718	α Coron. austr.	4.1	19 3 37.342	+4.0841	+ 59	−38 2 21.95	+5.384	−109
719	[ι Lyrae]	5.2	19 4 13.965	+2.1405	− 3	+35 57 52.91	+5.541	− 3
720	π Sagittarii	2.9	19 4 39.004	+3.5689	− 5	−21 9 40.46	+5.545	− 35

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721	[Pavonis 60 G.]	5.7	19h 8m 33s.635	+6s.0529	− 7	−66° 48′ 38″.69	+ 5″.887	− 21
723	δ Draconis	3.0	19 12 32.315	+0.0217	+ 167	+67 30 36.80	+ 6.327	+ 88
722	[*d* Sagittarii]	5.2	19 12 36.247	+3.5113	− 12	−19 6 24.41	+ 6.236	− 9
724	ϑ Lyrae	4.3	19 13 22.958	+2.0816	− 7	+37 58 47.74	+ 6.308	− 1
725	ω Aquilae	5.4	19 13 46.784	+2.8158	− 3	+11 26 22.35	+ 6.355	+ 13
726	κ Cygni	3.8	19 15 6.955	+1.3876	+ 69	+53 12 33.60	+ 6.572	+ 119
727	[υ Sagittarii]	4.5	19 16 48.178	+3.4373	0	−16 7 2.03	+ 6.591	− 2
729	τ Draconis	4.5	19 17 12.842	−1.1362	− 324	+73 11 46.17	+ 6.737	+ 110
728	α Sagittarii	4.0	19 17 55.771	+4.1610	+ 18	−40 46 43.10	+ 6.567	− 118
730	δ Aquilae	3.3	19 21 9.746	+3.0249	+ 168	+ 2 56 32.97	+ 7.033	+ 81
731	[Sagittar. 186 G.]	5.8	19 21 30.468	+3.7941	+ 7	−29 54 50.99	+ 6.933	− 47
734	[Gr. 2900]	6.4	19 26 55.213	−3.5714	+ 95	+79 25 52.80	+ 7.387	− 35
732	β Cygni	3.0	19 27 15.167	+2.4189	− 2	+27 46 42.10	+ 7.441	− 8
733	ι Cygni	3.9	19 27 32.289	+1.5133	+ 23	+51 32 45.79	+ 7.596	+ 125
735	[ι Telescopii]	5.1	19 28 50.297	+4.4564	− 42	−48 17 7.77	+ 7.537	− 40
736	*h* Sagittarii	4.6	19 31 28.513	+3.6533	+ 46	−25 4 27.43	+ 7.768	− 22
737	[κ Aquilae]	5.0	19 32 15.944	+3.2287	+ 3	− 7 13 10.05	+ 7.854	0
738	ϑ Cygni	4.5	19 34 8.109	+1.6085	− 28	+50 1 17.01	+ 8.251	+ 247
739	[ν Telescopii]	5.5	19 41 0.110	+4.9122	+ 86	−56 34 12.82	+ 8.414	− 137
740	[15 Cygni]	5.2	19 41 10.486	+2.1631	+ 59	+37 8 45.68	+ 8.600	+ 35
741	γ Aquilae	2.7	19 42 10.266	+2.8521	+ 9	+10 24 10.66	+ 8.643	0
742	δ Cygni	2.8	19 42 17.239	+1.8756	+ 51	+44 55 13.00	+ 8.692	+ 39
743	δ Sagittae	3.8	19 43 33.179	+2.6749	+ 4	+18 19 17.02	+ 8.765	+ 13
744	[51 Aquilae]	5.8	19 46 2.958	+3.3026	− 21	−10 58 56.74	+ 8.990	+ 41
745	α Aquilae	1	19 46 35.236	+2.9271	+ 360	+ 8 38 25.62	+ 9.373	+ 382
746	[η Aquilae]	(4.0)	19 48 5.554	+3.0569	+ 6	+ 0 47 2.85	+ 9.099	− 9
747	ε Draconis	3.8	19 48 28.231	−0.1885	+ 156	+70 2 55.96	+ 9.167	+ 29
748	ε Pavonis	3.8	19 50 39.846	+6.9924	+ 146	−73 8 19.71	+ 9.176	− 132
749	β Aquilae	3.7	19 51 5.334	+2.9468	+ 24	+ 6 11 28.38	+ 8.861	− 480
750	ψ Cygni	5.0	19 53 24.407	+1.5516	− 43	+52 12 36.66	+ 9.488	− 31
751	ϑ¹ Sagittarii	4.3	19 54 8.442	+3.9092	− 12	−35 30 34.95	+ 9.540	− 36
752	γ Sagittae	3.6	19 54 55.935	+2.6675	+ 43	+19 15 28.32	+ 9.661	+ 24
753	[*c* Sagittarii]	4.6	19 57 22.323	+3.6928	+ 21	−27 56 59.10	+ 9.841	+ 18
754	δ Pavonis	3.5	20 0 18.014	+5.9159	+1959	−66 24 9.07	+ 8.881	−1165
755	[ξ Telescopii]	5.2	20 0 48.042	+4.6081	− 44	−53 7 40.61	+10.082	− 2
756	ϑ Aquilae	3.1	20 6 52.088	+3.0961	+ 22	− 1 4 38.33	+10.544	+ 5
757	o¹ Cygni sq.	4.3	20 10 55.413	+1.8892	+ 4	+46 28 47.85	+10.840	+ 1
758	[33 Cygni]	4.3	20 11 23.967	+1.3963	+ 74	+56 18 15.42	+10.959	+ 85
759	κ Cephei	4.3	20 11 48.361	−1.9648	+ 12	+77 27 10.47	+10.931	+ 27
760	24 Vulpecul.	5.7	20 13 6.282	+2.5669	+ 12	+24 24 19.85	+10.979	− 19

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0″.001
			h m s	s		° ′ ″	″	
761	α² Capricorni	3.6	20 13 17.063	+3.3306	+ 40	−12 48 43.58	+11.023	+ 11
762	[β Capricorni]	3.1	20 16 10.845	+3.3727	+ 23	−15 3 13.33	+11.228	+ 6
763	[κ¹ Sagittarii]	5.8	20 16 37.416	+4.0834	+ 37	−42 19 17.26	+11.159	− 96
764	α Pavonis	1.9	20 18 51.107	+4.7660	+ 11	−57 0 41.27	+11.330	− 85
765	γ Cygni	2.3	20 19 8.482	+2.1526	+ 4	+39 58 51.10	+11.436	0
766	[ρ Capricorni]	5.0	20 23 57.416	+3.4246	− 14	−18 5 55.23	+11.764	− 16
767	ϑ Cephei	4.1	20 28 8.453	+1.0116	+ 62	+62 42 17.14	+12.060	− 14
768	ε Delphini	3.9	20 29 6.266	+2.8662	+ 5	+11 0 36.96	+12.116	− 25
769	α Jndi	3.0	20 31 31.345	+4.2308	+ 33	−47 35 31.85	+12.368	+ 60
770	73 Draconis	5.3	20 32 39.375	−0.7561	+ 15	+74 39 36.21	+12.375	− 12
771	β Delphini	3.5	20 33 30.973	+2.8131	+ 74	+14 17 43.06	+12.410	− 36
772	[κ Delphini]	5.1	20 34 57.150	+2.9140	+ 212	+ 9 46 57.43	+12.562	+ 18
773	υ Capricorni	5.5	20 35 9.363	+3.4182	− 17	−18 26 31.83	+12.542	− 16
774	α Delphini	3.7	20 35 38.615	+2.7866	+ 45	+15 36 28.72	+12.585	− 6
775	β Pavonis	3.3	20 37 13.385	+5.4452	− 71	−66 30 47.56	+12.700	+ 2
776	[η Jndi]	4.8	20 37 43.780	+4.4204	+ 157	−52 13 44.59	+12.659	− 73
777	α Cygni	1.3	20 38 29.982	+2.0447	+ 4	+44 58 20.99	+12.784	− 1
778	[δ Delphini]	4.2	20 39 26.638	+2.8008	− 14	+14 45 55.34	+12.800	− 48
779	[ψ Capricorni]	4.2	20 41 0.369	+3.5565	− 44	−25 34 50.58	+12.795	− 157
780	ε Cygni	2.4	20 42 43.864	+2.4270	+ 290	+33 38 51.22	+13.394	+ 327
781	ε Aquarii	3.6	20 43 1.304	+3.2494	+ 17	− 9 48 40.42	+13.059	− 28
782	[6 H. Cephei]	4.5	20 43 13.077	+1.4900	− 87	+57 16 14.63	+12.865	− 234
783	η Cephei	3.5	20 43 32.554	+1.2248	+ 133	+61 30 15.94	+13.939	+ 818
784	λ Cygni	4.6	20 44 3.483	+2.3358	+ 5	+36 10 27.03	+13.155	0
785	β Jndi	3.6	20 48 5.781	+4.7105	0	−58 46 45.74	+13.392	− 27
786	32 Vulpeculae	5.3	20 50 53.657	+2.5562	− 4	+27 43 47.90	+13.602	+ 1
788	ν Cygni	3.9	20 53 57.979	+2.2356	+ 9	+40 50 7.75	+13.779	− 17
787	[α Octantis]	5.5	20 54 20.215	+7.3847	− 19	−77 21 10.09	+13.465	− 355
789	[11 Aquarii]	6.4	20 56 2.175	+3.1601	+ 23	− 5 3 47.21	+13.794	− 133
790	ζ Microscopii	5.4	20 57 28.442	+3.8417	− 36	−38 58 4.88	+13.896	− 122
792	[ξ Cygni]	3.9	21 1 48.134	+2.1815	+ 12	+43 35 3.13	+14.283	− 3
791	[A Capricorni]	4.6	21 2 5.987	+3.5132	− 30	−25 21 1.14	+14.257	− 47
793	61 Cygni pr.	5.4	21 3 2.458	+2.6861	+3505	+38 19 33.42	+17.613	+3251
794	ν Aquarii	4.4	21 4 54.676	+3.2706	+ 62	−11 43 13.83	+14.466	− 9
795	Br. 2777	6.0	21 7 14.456	−1.1425	+ 74	+77 46 40.28	+14.651	+ 36
797	ζ Cygni	3.1	21 9 16.518	+2.5521	− 1	+29 52 25.03	+14.678	− 58
798	[Gr. 3415]	5.8	21 9 36.907	+1.5283	− 6	+59 37 57.20	+14.754	− 2
796	[Jndi 23 G.]	5.9	21 9 37.590	+4.2984	− 19	−53 37 11.73	+14.711	− 46
799	[τ Cygni]	3.8	21 11 21.437	+2.3936	+ 137	+37 40 40.14	+15.294	+ 435
800	α Equulei	3.9	21 11 31.522	+2.9997	+ 38	+ 4 53 30.02	+14.782	− 87

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			h m s	s		° ′ ″	″	
801	[4 Pisc. austr.]	4.8	21 12 43.581	+3.6444	+ 35	−32 31 57.12	+14.912	− 26
802	[ϑ^1 Microscop.]	4.9	21 15 15.899	+3.8493	+ 70	−41 10 24.80	+15.100	+ 14
803	α Cephei	2.5	21 16 31.665	+1.4339	+ 212	+62 13 15.20	+15.208	+ 49
804	1 Pegasi	4.2	21 18 6.529	+2.7739	+ 74	+19 26 9.47	+15.310	+ 61
805	γ Pavonis	4.2	21 19 20.805	+4.9997	+ 132	−65 45 22.15	+16.107	+ 788
806	ζ Capricorni	3.8	21 21 45.584	+3.4300	− 1	−22 47 4.07	+15.477	+ 23
807	[g Cygni]	5.4	21 26 16.490	+2.2124	+ 49	+46 9 39.24	+15.806	+ 103
808	β Aquarii	2.9	21 27 1.959	+3.1599	+ 11	− 5 57 0.20	+15.739	− 5
809	β Cephei	3.1	21 27 33.345	+0.7858	+ 20	+70 10 58.90	+15.779	+ 7
810	ν Octantis	3.7	21 31 57.270	+6.7978	+ 131	−77 46 22.20	+15.751	− 256
811	74 Cygni	5.1	21 33 30.036	+2.4027	− 3	+40 1 36.19	+16.099	+ 12
812	[γ Capricorni]	3.6	21 35 19.700	+3.3276	+ 131	−17 3 4.55	+16.166	− 16
813	[13 H. Cephei]	6.1	21 36 17.519	+1.8613	+ 7	+57 5 59.26	+16.234	+ 2
814	[ι Pisc. austr.]	4.4	21 39 49.640	+3.5807	+ 18	−33 25 7.24	+16.322	− 89
815	ε Pegasi	2.3	21 39 57.723	+2.9464	+ 18	+ 9 28 48.61	+16.418	0
817	[11 Cephei]	4.8	21 40 39.976	+0.8897	+ 233	+70 54 54.96	+16.551	+ 98
816	[κ Pegasi]	4.1	21 40 44.989	+2.7152	+ 25	+25 14 57.29	+16.468	+ 10
818	[λ Capricorni]	5.5	21 41 54.453	+3.2323	+ 20	−11 45 46.94	+16.512	− 4
819	δ Capricorni	2.8	21 42 17.759	+3.3145	+ 178	−16 31 5.04	+16.241	− 294
820	[ο Jndi]	5.6	21 43 31.733	+5.1266	− 87	−70 1 49.23	+16.575	− 21
821	π² Cygni	4.3	21 43 36.884	+2.2143	+ 8	+48 54 40.22	+16.596	− 4
822	γ Gruis	3.0	21 48 43.499	+3.6415	+ 77	−37 46 11.54	+16.828	− 18
823	16 Pegasi	5.2	21 49 8.887	+2.7282	+ 4	+25 31 12.19	+16.868	+ 1
824	[δ Jndi]	4.6	21 52 4.345	+4.1030	+ 43	−55 24 7.79	+16.974	− 29
825	[ε Jndi]	4.9	21 56 47.437	+4.6132	+4812	−57 8 23.89	+14.634	−2584
826	[20 Pegasi]	5.8	21 56 53.940	+2.9220	+ 36	+12 42 26.88	+17.169	− 54
827	α Aquarii	2.9	22 1 22.044	+3.0821	+ 10	− 0 44 17.16	+17.413	− 7
828	ι Aquarii	4.2	22 1 47.655	+3.2428	+ 24	−14 17 14.39	+17.387	− 51
830	20 Cephei	5.7	22 2 23.620	+1.8217	+ 22	+62 21 56.81	+17.524	+ 60
829	α Gruis	1.8	22 2 49.119	+3.7950	+ 119	−47 22 41.17	+17.311	− 171
831	[ι Pegasi]	3.9	22 3 0.376	+2.7910	+ 219	+24 55 28.59	+17.512	+ 22
832	[μ Pisc. austr.]	4.6	22 3 22.098	+3.5062	+ 41	−33 24 31.13	+17.465	− 41
833	[27 Pegasi]	5.8	22 5 24.921	+2.6562	− 42	+32 45 6.48	+17.527	− 65
834	ϑ Pegasi	3.6	22 5 51.709	+3.0264	+ 184	+ 5 46 27.51	+17.641	+ 31
835	π Pegasi	4.3	22 6 9.981	+2.6620	− 9	+32 45 20.94	+17.605	− 19
836	ζ Cephei	3.4	22 7 52.106	+2.0775	+ 14	+57 46 37.16	+17.700	+ 6
837	24 Cephei	4.8	22 8 9.423	+1.1590	+ 54	+71 55 2.64	+17.713	+ 8
838	[λ Pisc. austr.]	5.4	22 9 26.478	+3.4065	+ 16	−28 11 37.06	+17.757	− 1
839	[ε Octantis]	5.3	22 10 26.608	+6.9110	+ 138	−80 52 6.63	+17.758	− 40
840	ϑ Aquarii	4.2	22 12 17.810	+3.1676	+ 76	− 8 12 42.92	+17.854	− 19

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841	α Tucanae	2.8	22h 12m 37s.211	+4s.1376	— 98	—60° 41′ 19″.55	+17″.836	— 49
842	γ Aquarii	3.7	22 17 12.892	+3.0994	+ 83	— 1 49 16.10	+18.070	+ 7
843	[31 Pegasi]	4.9	22 17 17.051	+2.9518	— 1	+11 46 17.37	+18.075	+ 9
844	3 Lacertae	4.5	22 20 10.530	+2.3546	— 15	+51 47 52.10	+17.984	—191
845	[ν Gruis]	5.6	22 23 36.989	+3.5258	+ 24	—39 34 2.30	+18.137	—162
846	[δ¹ Gruis]	4.0	22 24 8.035	+3.5973	+ 17	—43 56 7.28	+18.309	— 8
847	[δ Cephei]	(4.1)	22 25 58.500	+2.2221	+ 17	+57 58 28.90	+18.385	+ 2
848	7 Lacertae	3.8	22 27 44.744	+2.4669	+ 147	+49 50 24.06	+18.460	+ 17
849	[υ Aquarii]	5.5	22 29 59.521	+3.2860	+ 155	—21 8 56.81	+18.376	—144
850	η Aquarii	3.9	22 30 56.260	+3.0834	+ 59	— 0 33 40.13	+18.496	— 55
851	[31 Cephei]	5.2	22 33 38.655	+1.4825	+ 381	+73 11 47.56	+18.662	+ 23
852	10 Lacertae	4.9	22 35 24.004	+2.6880	+ 4	+38 36 8.42	+18.689	— 6
853	[30 Cephei]	5.3	22 35 35.845	+2.1228	+ 1	+63 8 13.79	+18.680	— 22
854	[ε Pisc.austr.]	4.0	22 35 54.083	+3.3233	+ 12	—27 29 32.79	+18.714	+ 2
855	ζ Pegasi	3.3	22 37 10.342	+2.9914	+ 53	+10 22 55.44	+18.738	— 13
856	β Gruis	2.0	22 37 32.180	+3.5949	+ 117	—47 20 5.30	+18.737	— 25
857	η Pegasi	2.9	22 38 58.133	+2.8091	+ 12	+29 46 15.87	+18.773	— 33
858	[13 Lacertae]	5.4	22 40 15.189	+2.6707	— 6	+41 22 3.40	+18.849	+ 5
859	λ Pegasi	3.9	22 42 23.229	+2.8872	+ 41	+23 6 45.92	+18.897	— 10
860	ε Gruis	3.5	22 43 21.910	+3.6390	+ 97	—51 46 10.01	+18.862	— 73
861	[τ Aquarii]	4.0	22 45 2.400	+3.1788	— 12	—14 2 48.48	+18.950	— 33
862	[μ Pegasi]	3.6	22 45 51.050	+2.8931	+ 109	+24 8 49.86	+18.965	— 41
863	ι Cephei	3.5	22 46 36.893	+2.1275	— 114	+65 44 52.34	+18.904	—123
864	λ Aquarii	3.8	22 48 7.728	+3.1312	+ 5	— 8 2 15.06	+19.106	+ 38
865	ρ Jndi	6.3	22 48 41.476	+4.2199	— 101	—70 32 0.27	+19.145	+ 62
866	δ Aquarii	3.2	22 50 5.256	+3.1865	— 33	—16 16 42.38	+19.101	— 19
867	α Pisc. austr.	1.2	22 52 54.052	+3.3207	+ 247	—30 4 41.70	+19.034	—159
868	[ζ Gruis]	4.0	22 55 48.516	+3.5586	— 80	—53 12 56.14	+19.249	— 16
869	ο Androm.	3.5	22 57 57.671	+2.7548	+ 25	+41 51 48.51	+19.303	— 13
870	β Pegasi	2.4	22 59 36.184	+2.9050	+ 145	+27 36 57.74	+19.491	+137
871	α Pegasi	2.4	23 0 28.545	+2.9864	+ 41	+14 44 32.19	+19.332	— 41
872	ϑ Gruis	4.2	23 2 2.293	+3.3902	— 52	—43 59 6.72	+19.370	— 38
873	c² Aquarii	3.7	23 4 51.776	+3.2021	+ 32	—21 38 21.94	+19.504	+ 36
874	π Cephei	4.5	23 5 9.522	+1.8997	+ 29	+74 55 20.82	+19.449	— 25
875	Br. 3077	5.8	23 9 8.184	+2.8775	+2527	+56 41 35.95	+19.849	+295
876	[Tucanae 25 G.]	5.9	23 11 47.895	+3.6310	+ 232	—62 28 13.19	+19.551	— 53
877	γ Tucanae	3.9	23 12 24.990	+3.5198	— 59	—58 42 26.60	+19.697	+ 82
878	[γ Piscium]	3.7	23 12 42.404	+3.1094	+ 503	+ 2 48 43.72	+19.638	+ 18
879	γ Sculptoris	4.4	23 14 10.974	+3.2460	+ 10	—33 0 2.61	+19.579	— 68
880	τ Pegasi	4.5	23 16 22.701	+2.9660	+ 21	+23 16 9.73	+19.670	— 13

Nr.	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0s.0001	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbew. in Einh. von 0".001
			h m s	s		° ′ ″	″	
882	4 Cassiopejae	5.5	23 21 0.692	+2.6522	+ 17	+61 48 37.76	+19.746	— 10
881	[υ Pegasi]	4.4	23 21 5.102	+2.9909	+138	+22 55 49.65	+19.793	+ 35
883	[ο Gruis]	5.7	23 21 48.016	+3.3686	— 4	—53 11 52.23	+19.887	+119
884	κ Piscium	5.1	23 22 31.425	+3.0752	+ 56	+ 0 47 4.68	+19.685	— 93
885	70 Pegasi	4.7	23 24 48.242	+3.0319	+ 38	+12 17 9.24	+19.838	+ 28
886	[β Sculptoris]	4.4	23 28 21.751	+3.2243	+ 65	—38 17 38.61	+19.869	+ 14
887	[72 Pegasi]	5.2	23 29 41.023	+2.9713	+ 40	+30 51 1.94	+19.858	— 12
888	[Aquarii 248 G.]	6.7	23 31 5.924	+3.0956	— 5	— 7 56 25.81	+19.910	+ 23
889	[Phoenicis 11 G.]	4.6	23 33 13.410	+3.2385	+ 47	—45 58 6.81	+19.872	— 37
890	[λ Androm.]	3.8	23 33 21.012	+2.9276	+156	+45 59 31.42	+19.487	—423
891	ι Androm.	4.1	23 33 54.855	+2.9347	+ 27	+42 47 30.47	+19.911	— 5
892	ι Piscium	4.1	23 35 31.567	+3.0845	+247	+ 5 9 35.97	+19.492	—440
893	γ Cephei	3.3	23 35 48.470	+2.4369	—182	+77 9 8.42	+20.091	+157
894	ω² Aquarii	4.5	23 38 15.819	+3.1130	+ 65	—15 1 13.83	+19.893	— 63
895	41 H. Cephei	5.2	23 43 47.385	+2.8488	+ 23	+67 19 44.15	+19.997	+ 1
896	Lac. δ Sculpt.	4.4	23 44 26.892	+3.1291	+ 71	—28 36 21.46	+19.895	—105
897	[Aquarii 268 G.]	6.3	23 45 48.475	+3.0964	+ 86	—10 27 15.22	+20.094	+ 86
898	φ Pegasi	5.4	23 48 6.642	+3.0484	— 8	+18 38 33.31	+19.980	— 39
899	[ρ Cassiopejae]	4.8	23 50 4.799	+2.9827	— 7	+57 1 15.25	+20.031	+ 4
900	[27 Piscium]	5.1	23 54 16.210	+3.0712	— 37	— 4 1 59.28	+19.971	— 68
901	[π Phoenicis]	5.2	23 54 28.560	+3.1186	+ 30	—53 13 35.05	+20.086	+ 46
902	ω Piscium	3.9	23 54 53.645	+3.0792	+100	+ 6 23 13.81	+19.931	—109
903	ε Tucanae	4.5	23 55 27.262	+3.1387	+ 64	—66 3 20.23	+20.009	— 33
904	[ϑ Octantis]	5.0	23 57 11.342	+3.1248	—220	—77 32 25.83	+19.873	—171
905	[2 Ceti]	4.5	23 59 20.105	+3.0750	+ 12	—17 48 53.01	+20.042	— 4

¹) Ort des Schwerpunktes. Die Reduktion auf den Hauptstern ist (Peters, Neuer Fundamental-Katalog, Seite 98):

1914.0: $\Delta\alpha = -0^s.227$ $\Delta\delta = -0''.66$
1915.0: $= -0.229$ $= -0.80$.

²) A. R. der Mitte, Deklination des folgenden helleren Sterns.

³) Ort des Schwerpunkts. Die Reduktion auf den Ort des helleren Sterns beträgt (Peters, Neuer Fundamental-Katalog, Seite 99):

1914.0: $\Delta\alpha = -0^s.053$ $\Delta\delta = -0''.47$
1915.0: $= -0.056$ $= -0.36$.

⁴) Schwerpunkt des Systems. Abstände vom Schwerpunkt (Peters, Neuer Fundamental-Katalog, Seite 99):

heller Stern 1914.0: $\Delta\alpha = +0^s.678$ $\Delta\delta = +6''.76$
1915.0: $+0.669$ $+6.51$
Begleiter 1914.0: $\Delta\alpha = -0^s.798$ $\Delta\delta = -7''.94$
1915.0: -0.787 -7.65.

Von den Sternen, deren Namen eingeklammert sind, folgen keine Ephemeriden.

Nördliche Polsterne.

	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbewegung 0s.	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbewegung 0″.
			h m s	s		° ′ ″	″	
Na	43 H. Cephei	4.3	0 56 46.464	+ 7.6050	+0741	+85 47 46.87	+19.432	−001
Nb	α Ursae min.	2.0	1 28 47.183	+28.2911	+1417	+88 50 47.83	+18.562	+002
Nc	Gr. 750	6.8	4 9 9.842	+17.5665	+0159	+85 19 41.78	+ 9.353	+033
Nd	51 H. Cephei	5.2	7 0 36.766	+29.2670	−0503	+87 11 10.47	− 5.276	−036
Ne	1 H. Dracon.	4.3	9 24 55.297	+ 8.8082	−0062	+81 42 28.52	−15.649	−020
Nf	[30 H. Camel.]	5.2	10 20 41.981	+ 7.5933	−0469	+82 59 49.24	−18.162	+031
Ng	ε Ursae min.	4.2	16 54 44.297	− 6.2593	+0075	+82 10 49.90	− 5.625	+006
Nh	δ Ursae min.	4.3	17 59 59.816	−19.4992	+0170	+86 36 51.36	+ 0.056	+057
Ni	λ Ursae min.	6.8	19 6 15.102	−71.3458	−0939	+89 0 45.57	+ 5.723	+009
Nk	76 Draconis	6.0	20 48 53.052	− 4.1485	+0164	+82 12 49.49	+13.498	+027

Südliche Polsterne.

	Name	Gr.	AR. 1914.0	Jährl. Veränderung	Jährl. Eigenbewegung 0s.	Dekl. 1914.0	Jährl. Veränderung	Jährl. Eigenbewegung 0″.
			h m s	s		° ′ ″	″	
Sa	Octantis 4 G.	6	1 42 13.98	− 3.781	+018	−85 12 15.63	+18.118	+035
Sb	[ξ Mensae]	6.0	5 8 37.20	− 6.946	−004	−82 35 13.10	+ 4.470	+014
Sc	ζ Octantis	6−5	9 9 23.21	− 8.082	−093	−85 19 13.22	−14.696	+047
Sd	ι Octantis	6−5	12 45 49.46	+ 5.952	+042	−84 39 23.58	−19.621	+025
Se	Octantis 20 G.	7	14 44 52.48	+25.828	−181	−87 48 4.92	−15.145	−066
Sf	Octantis 26 G.	6−7	16 28 35.58	+21.666	+005	−86 12 34.84	− 7.787	−002
Sg	χ Octantis	6	18 4 24.98	+35.741	−094	−87 39 52.86	+ 0.259	−127
Sh	σ Octantis	6	19 22 56.19	+96.262	+114	−89 13 50.44	+ 7.095	−001
Si	β Octantis	4.1	22 37 20.26	+ 6.332	−026	−81 49 58.67	+18.759	+003
Sk	τ Octantis	6	23 15 38.34	+10.293	+021	−87 57 17.44	+19.687	+015

1914	43 Hev. Cephei $4^m.3$.				α Ursae minoris $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in ^{s} 0.01	$+85° 48'$	in $''$ 0.01	$1^h 28^m$	in ^{s} 0.01	$+88° 51'$	in $''$ 0.01	$4^h 9^m$	in ^{s} 0.01	$+85° 20'$	in $''$ 0.01
Jan. 0	41.40	0	10.55	+10	39.21	+ 3	12.24	+10	21.40	+5	1.93	+ 7
1	41.12	−4	10.64	+ 8	38.21	−10	12.38	+ 9	21.30	+2	2.22	+ 9
2	40.84	−7	10.72	+ 5	37.20	−22	12.51	+ 6	21.20	−1	2.51	+ 9
3	40.56	−8	10.80	+ 1	36.19	−28	12.63	+ 2	21.09	−4	2.79	+ 7
4	40.27	−7	10.87	− 3	35.18	−29	12.75	− 2	20.97	−7	3.07	+ 4
5	39.99	−6	10.93	− 7	34.16	−23	12.86	− 6	20.85	−7	3.35	0
6	39.71	−3	10.98	− 9	33.13	−14	12.97	− 9	20.72	−7	3.62	− 5
7	39.42	+1	11.03	−10	32.10	− 1	13.07	−10	20.59	−5	3.89	− 8
8	39.14	+4	11.07	− 9	31.06	+10	13.16	−10	20.45	−2	4.15	− 9
9	38.85	+6	11.10	− 7	30.02	+20	13.25	− 7	20.31	0	4.41	−10
10	38.57	+7	11.13	− 3	28.97	+25	13.33	− 4	20.16	+3	4.66	− 8
11	38.28	+7	11.15	+ 1	27.92	+24	13.40	0	20.01	+5	4.91	− 4
12	38.00	+4	11.17	+ 4	26.87	+18	13.47	+ 3	19.86	+5	5.16	− 1
13	37.71	+1	11.18	+ 6	25.82	+ 7	13.53	+ 6	19.71	+4	5.41	+ 3
14	37.43	−2	11.17	+ 6	24.76	− 5	13.58	+ 7	19.55	+2	5.65	+ 6
15	37.14	−5	11.17	+ 5	23.70	−17	13.63	+ 6	19.39	0	5.88	+ 8
16	36.86	−7	11.16	+ 3	22.63	−25	13.67	+ 4	19.22	−3	6.11	+ 8
17	36.57	−8	11.14	0	21.57	−28	13.70	+ 1	19.05	−5	6.33	+ 6
18	36.29	−7	11.12	− 3	20.51	−26	13.73	− 2	18.87	−6	6.55	+ 3
19	36.01	−4	11.09	− 5	19.44	−18	13.75	− 5	18.69	−6	6.76	0
20	35.73	−1	11.05	− 6	18.38	− 6	13.76	− 6	18.51	−4	6.97	− 4
21	35.45	+3	11.01	− 6	17.31	+ 8	13.77	− 6	18.32	−1	7.18	− 6
22	35.17	+6	10.96	− 4	16.25	+20	13.77	− 4	18.13	+2	7.38	− 7
23	34.89	+8	10.90	0	15.19	+29	13.76	− 1	17.94	+5	7.57	− 7
24	34.61	+8	10.84	+ 3	14.13	+32	13.75	+ 2	17.74	+7	7.76	− 4
25	34.33	+7	10.77	+ 7	13.07	+29	13.73	+ 5	17.54	+8	7.94	− 1
26	34.06	+5	10.69	+ 9	12.02	+20	13.70	+ 8	17.33	+8	8.12	+ 3
27	33.79	+1	10.61	+10	10.97	+ 8	13.67	+10	17.12	+6	8.29	+ 6
28	33.52	−3	10.52	+ 9	9.92	− 5	13.63	+ 9	16.92	+3	8.46	+ 8
29	33.25	−6	10.43	+ 7	8.87	−17	13.58	+ 7	16.71	0	8.62	+ 9
30	32.98	−7	10.33	+ 3	7.83	−26	13.53	+ 4	16.50	−3	8.78	+ 8
31	32.71	−8	10.22	− 1	6.79	−29	13.47	0	16.28	−6	8.93	+ 5
Febr. 1	32.45	−7	10.11	− 5	5.76	−26	13.41	− 4	16.06	−7	9.07	+ 1
2	32.18	−4	9.99	− 8	4.74	−18	13.34	− 8	15.84	−7	9.21	− 3
3	31.92	0	9.87	−10	3.72	− 6	13.26	−10	15.61	−6	9.34	− 7
4	31.66	+3	9.74	−10	2.71	+ 6	13.18	−10	15.39	−4	9.47	− 9
5	31.41	+6	9.60	− 8	1.70	+17	13.09	− 8	15.16	−1	9.59	−10
6	31.16	+7	9.46	− 5	0.70	+24	12.99	− 6	14.93	+2	9.71	− 9
sec δ, tg δ	+13.66		+13.63		+49.99		+49.98		+12.30		+12.26	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 1^m$	in ^{s} 0.01	+87° 11′	in ″ 0.01	$9^h\ 25^m$	in ^{s} 0.01	+81° 42′	in ″ 0.01	$16^h\ 54^m$	in ^{s} 0.01	+82° 10′	in ″ 0.01
Jan. 0	9.53	+13	15.90	− 1	5.95	+4	18.84	− 4	35.95	−3	32.44	−7
1	9.68	+12	16.21	+ 3	6.09	+4	19.01	0	36.00	−1	32.10	−9
2	9.82	+ 8	16.52	+ 6	6.22	+4	19.19	+ 4	36.06	+1	31.76	−9
3	9.96	+ 3	16.84	+ 8	6.35	+2	19.37	+ 7	36.12	+3	31.43	−7
4	10.09	− 2	17.15	+ 9	6.48	0	19.56	+ 9	36.18	+4	31.10	−3
5	10.21	− 8	17.47	+ 7	6.61	−1	19.75	+ 9	36.24	+5	30.77	+1
6	10.31	−12	17.78	+ 5	6.73	−3	19.95	+ 7	36.31	+4	30.44	+4
7	10.40	−14	18.10	+ 1	6.86	−4	20.16	+ 4	36.38	+3	30.12	+8
8	10.49	−13	18.41	− 3	6.98	−5	20.36	0	36.45	+2	29.80	+9
9	10.57	−10	18.73	− 6	7.10	−4	20.57	− 3	36.53	0	29.48	+9
10	10.64	− 6	19.04	− 7	7.21	−3	20.79	− 5	36.61	−2	29.17	+7
11	10.70	− 1	19.36	− 7	7.32	−1	21.01	− 6	36.69	−2	28.86	+4
12	10.75	+ 4	19.68	− 5	7.43	+1	21.23	− 6	36.77	−3	28.56	0
13	10.79	+ 8	20.00	− 2	7.54	+2	21.46	− 4	36.86	−2	28.26	−4
14	10.82	+ 9	20.32	+ 1	7.65	+3	21.69	− 1	36.95	−1	27.96	−7
15	10.84	+ 9	20.64	+ 5	7.75	+4	21.93	+ 3	37.04	0	27.66	−8
16	10.86	+ 6	20.96	+ 7	7.85	+3	22.17	+ 6	37.13	+2	27.37	−8
17	10.87	+ 2	21.28	+ 8	7.95	+2	22.42	+ 7	37.23	+3	27.08	−6
18	10.86	− 2	21.59	+ 8	8.04	0	22.67	+ 8	37.33	+3	26.79	−3
19	10.85	− 6	21.91	+ 5	8.13	−1	22.92	+ 6	37.43	+3	26.51	+1
20	10.83	− 8	22.22	+ 2	8.22	−2	23.17	+ 4	37.54	+2	26.24	+5
21	10.80	− 8	22.54	− 2	8.31	−3	23.43	− 1	37.65	0	25.97	+7
22	10.76	− 7	22.85	− 6	8.39	−3	23.69	− 5	37.76	−1	25.71	+8
23	10.71	− 3	23.17	− 9	8.47	−2	23.95	− 8	37.87	−3	25.45	+7
24	10.65	+ 2	23.48	−10	8.55	−1	24.21	−10	37.98	−4	25.19	+5
25	10.58	+ 7	23.79	− 9	8.62	+1	24.48	−10	38.10	−5	24.94	+1
26	10.51	+11	24.09	− 6	8.69	+2	24.75	− 9	38.22	−5	24.69	−3
27	10.43	+13	24.40	− 4	8.76	+4	25.02	− 6	38.34	−4	24.45	−6
28	10.33	+13	24.70	+ 1	8.83	+4	25.30	− 2	38.46	−2	24.21	−8
29	10.22	+10	25.00	+ 5	8.89	+4	25.58	+ 2	38.58	0	23.98	−9
30	10.11	+ 6	25.30	+ 8	8.95	+3	25.86	+ 6	38.71	+2	23.75	−8
31	9.99	0	25.60	+ 9	9.01	+1	26.14	+ 8	38.84	+4	23.53	−5
Febr. 1	9.87	− 6	25.90	+ 8	9.06	−1	26.42	+ 9	38.97	+4	23.32	−1
2	9.74	−10	26.20	+ 6	9.11	−2	26.70	+ 8	39.10	+4	23.11	+3
3	9.59	−13	26.49	+ 2	9.16	−4	26.99	+ 5	39.24	+4	22.91	+7
4	9.44	−14	26.78	− 1	9.21	−5	27.28	+ 2	39.38	+2	22.71	+9
5	9.28	−12	27.07	− 5	9.25	−4	27.57	− 2	39.52	0	22.52	+9
6	9.11	− 8	27.36	− 7	9.29	−3	27.86	− 4	39.66	−1	22.33	+8
sec δ, tg δ	+20.39		+20.37		+6.93		+6.86		+7.34		+7.28	

1914	δ Ursae minoris 4^m.3.				λ Ursae minoris 6^m.8.				76 Draconis 6^m.0.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$ s	in s 0.01	+86° 36′ ″	in ″ 0.01	$19^h 4^m$ s	in s 0.01	+89° 0′ ″	in ″ 0.01	$20^h 48^m$ s	in s 0.01	+82° 12′ ″	in ″ 0.01
Jan. 0	35.60	− 9	39.54	−5	42.53	−38	40.74	+ 1	41.62	−4	55.30	+ 5
1	35.60	− 5	39.20	−8	42.12	−34	40.42	− 3	41.52	−4	55.05	+ 1
2	35.60	0	38.86	−9	41.73	−24	40.10	− 6	41.42	−4	54.80	− 3
3	35.62	+ 4	38.52	−8	41.36	−10	39.78	− 8	41.32	−3	54.54	− 7
4	35.64	+ 8	38.18	−5	41.02	+ 7	39.46	− 9	41.22	−1	54.28	− 9
5	35.67	+11	37.84	−2	40.70 40.41	+22 +34	39.14 38.81	− 7 − 4	41.13	+1	54.01	− 9
6	35.71	+11	37.51	+2	40.15	+39	38.49	0	41.04	+3	53.74	− 7
7	35.76	+ 9	37.17	+6	39.91	+37	38.16	+ 3	40.95	+4	53.46	− 4
8	35.81	+ 6	36.84	+8	39.70	+29	37.84	+ 6	40.86	+5	53.18	− 1
9	35.87	+ 2	36.51	+9	39.52	+17	37.51	+ 8	40.78	+5	52.90	+ 3
10	35.94	− 1	36.18	+8	39.36	− 2	37.18	+ 8	40.70	+3	52.62	+ 5
11	36.01	− 5	35.85	+5	39.22	−11	36.85	+ 6	40.62	+2	52.33	+ 7
12	36.09	− 7	35.52	+1	39.11	−21	36.53	+ 2	40.55	0	52.04	+ 6
13	36.18	− 7	35.19	−3	39.03	−25	36.20	− 1	40.48	−2	51.75	+ 4
14	36.27	− 5	34.86	−6	38.97	−23	35.88	− 5	40.41	−3	51.45	+ 1
15	36.37	− 2	34.54	−8	38.94	−16	35.55	− 8	40.34	−4	51.15	− 2
16	36.48	+ 1	34.22	−9	38.94	− 5	35.22	− 9	40.28	−3	50.85	− 5
17	36.60	+ 4	33.90	−7	38.96	+ 8	34.89	− 8	40.22	−2	50.55	− 7
18	36.72	+ 7	33.59	−4	39.00	+18	34.57	− 6	40.16	−1	50.24	− 8
19	36.85	+ 7	33.28	−1	39.07	+24	34.24	− 2	40.10	+1	49.93	− 7
20	36.98	+ 6	32.97	+3	39.17	+24	33.92	+ 2	40.05	+2	49.62	− 4
21	37.12	+ 3	32.66	+7	39.29	+18	33.60	+ 6	40.00	+3	49.31	− 1
22	37.28	− 1	32.36	+9	39.43	+ 7	33.27	+ 8	39.96	+3	48.99	+ 3
23	37.44	− 5	32.06	+9	39.60	− 8	32.95	+10	39.92	+2	48.67	+ 7
24	37.60	− 8	31.76	+7	39.80	−21	32.63	+ 9	39.88	+1	48.35	+ 9
25	37.77	−11	31.46	+4	40.02	−32	32.31	+ 6	39.84	−1	48.03	+10
26	37.94	−11	31.17	0	40.26	−38	31.99	+ 3	39.81	−2	47.71	+ 9
27	38.12	−10	30.88	−4	40.53	−37	31.68	− 1	39.78	−4	47.39	+ 6
28	38.31	− 7	30.60	−7	40.83	−29	31.37	− 5	39.75	−4	47.06	+ 3
29	38.50	− 2	30.32	−9	41.15	−16	31.06	− 8	39.73 39.71	− 4 − 3	46.73 46.40	− 2 − 5
30	38.70	+ 2	30.04	−8	41.49	0	30.75	− 9	39.69	−2	46.07	− 8
31	38.91	+ 7	29.77	−7	41.86	+16	30.44	− 8	39.68	0	45.75	− 9
Febr. 1	39.12	+10	29.50	−3	42.25	+29	30.13	− 5	39.67	+2	45.42	− 8
2	39.34	+11	29.24	+1	42.66	+37	29.83	− 2	39.66	+4	45.10	− 6
3	39.56	+10	28.98	+4	43.10	+39	29.53	+ 2	39.65	+5	44.77	− 2
4	39.79	+ 8	28.72	+7	43.56	+33	29.24	+ 5	39.65	+5	44.44	+ 1
5	40.03	+ 4	28.47	+9	44.05	+22	28.94	+ 7	39.65	+4	44.12	+ 4
6	40.27	0	28.23	+8	44.56	+ 8	28.65	+ 8	39.66	+2	43.79	+ 6
sec δ, tg δ	+16.91		+16.88		+57.85		+57.84		+7.38		+7.31	

1914	43 Hev. Cephei $4^m.3$.				α Ursae minoris $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$ s	in 0.01 s	+85° 48′ ″	in 0.01 ″	$1^h 27^m$ s	in 0.01 s	+88° 51′ ″	in 0.01 ″	$4^h 9^m$ s	in 0.01 s	+85° 20′ ″	in 0.01 ″
Febr. 6	31.16	+7	9.46	− 5	60.70	+24	12.99	− 6	14.93	+2	9.71	− 9
7	30.91	+7	9.31	− 1	59.71	+25	12.89	− 2	14.69	+4	9.82	− 6
8	30.66	+5	9.16	+ 3	58.72	+21	12.78	+ 2	14.46	+5	9.92	− 2
9	30.42	+2	9.00	+ 5	57.74	+12	12.66	+ 5	14.22	+4	10.02	+ 2
10	30.18	−1	8.84	+ 6	56.77	0	12.54	+ 6	13.98	+3	10.11	+ 5
11	29.94	−4	8.67	+ 6	55.81	−12	12.42	+ 6	13.74	0	10.19	+ 7
12	29.71	−7	8.49	+ 4	54.86	−22	12.29	+ 5	13.50	−2	10.27	+ 8
13	29.48	−8	8.31	+ 1	53.92	−28	12.15	+ 2	13.26	−4	10.34	+ 7
14	29.25	−7	8.12	− 2	52.99	−28	12.00	− 1	13.02	−6	10.41	+ 4
15	29.03	−5	7.93	− 5	52.07	−22	11.85	− 4	12.77	−6	10.47	+ 1
16	28.81	−2	7.74	− 6	51.16	−11	11.69	− 6	12.53	−5	10.52	− 3
17	28.59	+1	7.54	− 6	50.27	+ 2	11.53	− 6	12.28	−3	10.57	− 6
18	28.38	+5	7.33	− 5	49.39	+15	11.37	− 5	12.04	0	10.61	− 7
19	28.17	+7	7.12	− 2	48.51	+26	11.20	− 3	11.79	+4	10.64	− 7
20	27.96	+8	6.91	+ 2	47.65	+31	11.02	0	11.54	+6	10.67	− 5
21	27.76	+8	6.69	+ 5	46.80	+31	10.84	+ 4	11.29	+8	10.69	− 2
22	27.56	+6	6.47	+ 8	45.97	+24	10.65	+ 7	11.04	+8	10.71	+ 1
23	27.37	+3	6.24	+10	45.15	+14	10.46	+ 9	10.79	+7	10.72	+ 5
24	27.18	−1	6.01	+10	44.34	0	10.26	+10	10.54	+5	10.72	+ 8
25	26.99	−5	5.77	+ 8	43.55	−13	10.06	+ 8	10.29	+2	10.72	+ 9
26	26.81	−7	5.53	+ 5	42.77	−23	9.85	+ 5	10.04	−2	10.71	+ 9
27	26.64	−8	5.29	+ 1	42.00	−28	9.64	+ 2	9.79	−5	10.70	+ 7
28	26.47	−7	5.04	− 4	41.25	−28	9.42	− 3	9.54	−7	10.68	+ 3
März 1	26.30	−5	4.79	− 7	40.52	−21	9.20	− 7	9.29	−7	10.65	− 1
2	26.14	−2	4.53	− 9	39.80	−11	8.97	− 9	9.04	−7	10.62	− 5
3	25.98	+2	4.27	−10	39.09	+ 1	8.74	−10	8.79	−5	10.58	− 8
4	25.83	+5	4.01	− 8	38.40	+13	8.51	− 9	8.54	−2	10.53	−10
5	25.68	+7	3.75	− 6	37.73	+22	8.27	− 7	8.30	+1	10.48	− 9
6	25.54	+7	3.48	− 2	37.08	+25	8.03	− 3	8.05	+3	10.42	− 7
7	25.40	+6	3.21	+ 1	36.44	+23	7.78	0	7.81	+5	10.36	− 4
8	25.27	+4	2.94	+ 4	35.82	+16	7.53	+ 4	7.57	+5	10.29	0
9	25.14	0	2.66	+ 6	35.22	+ 5	7.28	+ 6	7.33	+4	10.21	+ 4
10	25.02	−3	2.38	+ 6	34.63	− 8	7.02	+ 7	7.09	+1	10.13	+ 7
11	24.90	−6	2.10	+ 5	34.06	−19	6.76	+ 5	6.85	−1	10.04	+ 8
12	24.79	−8	1.82	+ 2	33.51	−27	6.50	+ 3	6.61	−4	9.94	+ 8
13	24.68	−8	1.53	− 1	32.98	−29	6.23	0	6.38	−5	9.84	+ 6
14	24.58	−6	1.24	− 4	32.47	−25	5.96	− 3	6.14	−6	9.74	+ 2
15	24.48	−4	0.95	− 6	31.97	−16	5.69	− 5	5.91	−6	9.63	− 1
sec δ, tg δ	+13.66		+13.62		+49.95		+49.94		+12.30		+12.26	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h 0^m$	in 0.01 s	$+87° 11'$	in 0.01 "	$9^h 25^m$	in 0.01 s	$+81° 42'$	in 0.01 "	$16^h 54^m$	in 0.01 s	$+82° 10'$	in 0.01 "
Febr. 6	69.11 s	−8	27.36 "	−7	9.29 s	−3	27.86 "	−4	39.66 s	−1	22.33 "	+8
7	68.94	−3	27.64	−7	9.32	−2	28.15	−6	39.80	−2	22.15	+5
8	68.76	+2	27.92	−6	9.35	0	28.45	−6	39.94	−3	21.97	+2
9	68.56	+7	28.19	−3	9.38	+2	28.75	−5	40.08	−3	21.80	−3
10	68.36	+9	28.46	0	9.41	+3	29.05	−2	40.22	−2	21.64	−6
11	68.15	+9	28.73	+4	9.43	+3	29.35	+1	40.37	0	21.48	−8
12	67.93	+7	28.99	+7	9.45	+3	29.65	+5	40.52	+1	21.33	−8
13	67.71	+4	29.25	+8	9.47	+2	29.95	+7	40.67	+2	21.19	−7
14	67.48	0	29.51	+8	9.48	+1	30.25	+8	40.82	+3	21.05	−4
15	67.24	−4	29.76	+6	9.49	−1	30.55	+7	40.97	+3	20.92	−1
16	66.99	−8	30.01	+3	9.50	−2	30.85	+5	41.13	+3	20.80	+3
17	66.74	−9	30.26	−1	9.50	−3	31.15	+1	41.28	+1	20.68	+6
18	66.48	−8	30.50	−5	9.50	−3	31.46	−3	41.43	0	20.56	+8
19	66.21	−4	30.74	−8	9.50	−3	31.76	−7	41.58	−2	20.45	+8
20	65.94	0	30.98	−10	9.50	−1	32.06	−9	41.73	−4	20.35	+6
21	65.66	+5	31.21	−10	9.49	0	32.36	−10	41.88	−5	20.26	+3
22	65.37	+9	31.43	−8	9.48	+2	32.66	−10	42.04	−5	20.17	−1
23	65.08	+12	31.65	−4	9.47	+3	32.96	−7	42.20	−4	20.09	−5
24	64.78	+13	31.87	0	9.45	+4	33.25	−3	42.36	−3	20.01	−8
25	64.48	+12	32.08	+4	9.43	+4	33.55	+1	42.52	−1	19.94	−9
26	64.17	+8	32.29	+7	9.40	+3	33.84	+5	42.68	+1	19.88	−8
27	63.86	+3	32.49	+9	9.37	+2	34.14	+7	42.84	+3	19.82	−6
28	63.54	−3	32.69	+8	9.34	0	34.44	+9	43.00	+4	19.77	−3
März 1	63.21	−8	32.88	+7	9.31	−2	34.73	+8	43.16	+4	19.73	+1
2	62.88	−12	33.07	+4	9.28	−3	35.02	+6	43.32	+4	19.70	+5
3	62.54	−14	33.25	0	9.24	−4	35.31	+3	43.48	+3	19.67	+8
4	62.20	−13	33.42	−4	9.20	−5	35.59	0	43.64	+1	19.65	+9
5	61.85	−10	33.59	−6	9.15	−4	35.87	−3	43.80	0	19.63	+9
6	61.50	−5	33.76	−7	9.11	−2	36.15	−6	43.96	−2	19.63	+6
7	61.14	0	33.92	−7	9.06	−1	36.43	−6	44.12	−3	19.63	+3
8	60.78	+5	34.07	−4	9.01	+1	36.71	−5	44.28	−3	19.64	−1
9	60.41	+8	34.22	−1	8.96	+2	36.98	−3	44.44	−2	19.65	−5
10	60.04	+9	34.36	+2	8.90	+3	37.25	0	44.60	−1	19.67	−7
11	59.67	+8	34.50	+6	8.84	+3	37.52	+4	44.76	+1	19.69	−8
12	59.30	+5	34.64	+8	8.78	+3	37.79	+6	44.92	+2	19.72	−8
13	58.92	+1	34.77	+8	8.71	+2	38.05	+8	45.08	+3	19.76	−5
14	58.54	−3	34.89	+7	8.64	0	38.31	+8	45.24	+3	19.80	−2
15	58.15	−7	35.01	+5	8.57	−1	38.57	+6	45.39	+3	19.85	+2
sec δ, tg δ	+20.41		+20.39		+6.93		+6.86		+7.34		+7.28	

1914	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$	in s 0.01	+86° 36′	in " 0.01	$19^h 4^m$	in s 0.01	+89° 0′	in " 0.01	$20^h 48^m$	in s 0.01	+82° 12′	in " 0.01
Febr. 6	40.27	0	28.23	+8	44.56	+8	28.65	+8	39.66	+2	43.79	+6
7	40.51	−4	27.99	+6	45.09	−6	28.36	+7	39.67	+1	43.46	+7
8	40.76	−6	27.75	+3	45.64	−17	28.08	+4	39.68	−1	43.13	+5
9	41.02	−7	27.51	−1	46.21	−24	27.80	0	39.69	−3	42.81	+3
10	41.28	−6	27.28	−5	46.81	−24	27.52	−4	39.71	−3	42.49	−1
11	41.55	−3	27.05	−8	47.43	−19	27.24	−7	39.73	−3	42.16	−4
12	41.82	0	26.83	−9	48.06	−9	26.97	−8	39.75	−3	41.84	−7
13	42.10	+3	26.62	−8	48.72	+4	26.70	−9	39.78	−1	41.52	−8
14	42.38	+5	26.41	−6	49.40	+15	26.43	−7	39.81	0	41.20	−8
15	42.67	+7	26.21	−2	50.10	+22	26.17	−4	39.84	+2	40.87	−6
16	42.96	+7	26.01	+2	50.82	+25	25.92	0	39.87	+3	40.55	−2
17	43.25	+5	25.82	+5	51.56	+21	25.67	+4	39.91	+3	40.23	+2
18	43.55	+1	25.63	+8	52.32	+12	25.42	+8	39.95	+3	39.92	+6
19	43.85	−3	25.45	+9	53.10	−2	25.17	+9	40.00	+2	39.61	+9
20	44.15	−7	25.27	+8	53.89	−16	24.93	+9	40.05	0	39.30	+10
21	44.46	−10	25.10	+5	54.70	−29	24.70	+7	40.10	−2	38.99	+10
22	44.77	−12	24.94	+2	55.53	−37	24.47	+4	40.15	−3	38.68	+8
23	45.08	−11	24.78	−2	56.38	−39	24.24	0	40.21	−4	38.38	+4
24	45.40	−8	24.63	−6	57.25	−34	24.02	−4	40.27	−5	38.08	0
25	45.72	−4	24.48	−8	58.13	−23	23.80	−7	40.33	−4	37.78	−4
26	46.05	0	24.34	−9	59.03	−7	23.59	−9	40.39	−3	37.48	−7
27	46.38	+5	24.20	−7	59.95	+9	23.38	−9	40.46	−1	37.19	−9
28	46.71	+9	24.07	−5	60.88	+24	23.18	−7	40.53	+1	36.90	−8
März 1	47.04	+11	23.95	−1	61.83	+34	22.98	−3	40.60	+3	36.61	−7
2	47.38	+11	23.83	+3	62.79	+38	22.79	0	40.68	+4	36.33	−4
3	47.72	+9	23.72	+6	63.76	+36	22.60	+4	40.76	+5	36.05	0
4	48.06	+6	23.62	+8	64.75	+27	22.42	+7	40.85	+4	35.77	+3
5	48.40	+2	23.52	+9	65.75	+14	22.24	+8	40.93	+3	35.50	+5
6	48.74	−2	23.43	+7	66.77	0	22.07	+7	41.02	+1	35.23	+7
7	49.09	−5	23.34	+4	67.80	−13	21.91	+5	41.11	0	34.97	+6
8	49.43	−7	23.26	0	68.84	−21	21.75	+2	41.20	−2	34.71	+4
9	49.78	−6	23.19	−4	69.89	−24	21.60	−2	41.29	−3	34.45	+1
10	50.13	−4	23.13	−7	70.95	−21	21.45	−6	41.39	−3	34.20	−3
11	50.48	−1	23.07	−9	72.03	−13	21.30	−8	41.49	−3	33.95	−6
12	50.83	+2	23.02	−9	73.11	−1	21.16	−9	41.59	−2	33.71	−8
13	51.19	+5	22.97	−7	74.20	+11	21.03	−8	41.70	0	33.47	−8
14	51.55	+7	22.93	−4	75.30	+20	20.91	−5	41.80	+1	33.23	−7
15	51.90	+7	22.89	0	76.41	+25	20.79	−1	41.91	+3	33.00	−4
sec δ, tg δ	+16.90		+16.87		+57.68		+57.67		+7.38		+7.31	

1914	43 Hev. Cephei $4^m.3$.				α Ursae minoris $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in ^{s} 0.01	+85° 47′	in ″ 0.01	$1^h 27^m$	in ^{s} 0.01	+88° 50′	in ″ 0.01	$4^h 8^m$	in ^{s} 0.01	+85° 20′	in ″ 0.01
März 15	24.48	−4	60.95	−6	31.97	−16	65.69	−5	65.91	−6	9.63	−1
16	24.39	0	60.66	−6	31.49	−3	65.42	−6	65.68	−4	9.52	−5
17	24.31	+4	60.36	−6	31.04	+10	65.14	−6	65.45	−1	9.39	−7
18	24.23	+6	60.06	−3	30.60	+22	64.86	−4	65.22	+2	9.26	−7
19	24.16	+8	59.77	0	30.18	+30	64.58	−1	65.00	+5	9.12	−6
20	24.09	+8	59.47	+4	29.78	+32	64.29	+3	64.78	+8	8.98	−4
21	24.03	+7	59.17	+7	29.40	+28	64.00	+6	64.56	+9	8.84	0
22	23.97	+4	58.87	+10	29.04	+18	63.71	+9	64.34	+8	8.69	+4
23	23.92	0	58.57	+10	28.70	+6	63.42	+10	64.13	+6	8.54	+7
24	23.87	−3	58.27	+9	28.38	−8	63.13	+9	63.92	+3	8.38	+9
25	23.83	−6	57.96	+6	28.08	−19	62.83	+7	63.72	0	8.22	+9
26	23.80	−8	57.66	+2	27.80	−27	62.54	+3	63.52	−3	8.05	+7
27	23.77	−8	57.35	−2	27.54	−28	62.24	−1	63.31	−6	7.87	+4
28	23.75	−6	57.05	−6	27.30	−24	61.94	−5	63.11	−7	7.69	0
29	23.73	−3	56.74	−9	27.08	−15	61.63	−8	62.91	−7	7.51	−4
30	23.72	0	56.44	−10	26.88	−3	61.33	−10	62.72	−5	7.32	−7
31	23.71	+4	56.13	−9	26.70	+9	61.03	−10	62.53	−3	7.13	−9
April 1	23.71	+6	55.83	−7	26.54	+19	60.73	−8	62.34	0	6.93	−10
2	23.71	+7	55.52	−4	26.40	+25	60.42	−5	62.16	+2	6.73	−8
3	23.72	+7	55.21	0	26.28	+25	60.11	−1	61.98	+4	6.53	−5
4	23.74	+5	54.91	+3	26.19	+19	59.81	+2	61.81	+6	6.32	−1
5	{23.76 {23.79	+2 −2	54.60 54.30	+5 +6	26.12	+9	59.50	+5	61.64	+4	6.10	+3
6	23.82	−5	53.99	+5	26.06	−3	59.19	+6	61.47	+2	5.88	+6
7	23.86	−7	53.69	+3	26.03	−15	58.89	+6	61.31	0	5.66	+8
8	23.91	−8	53.39	0	26.01	−24	58.58	+4	61.15	−3	5.43	+8
9	23.96	−7	53.09	−3	26.01	−29	58.28	+1	60.99	−5	5.20	+6
10	24.02	−5	52.79	−5	26.04	−27	57.97	−2	60.84	−6	4.96	+4
11	24.08	−2	52.50	−7	26.09	−20	57.67	−4	60.69	−6	4.72	0
12	24.15	+2	52.20	−6	26.15	−8	57.36	−6	60.55	−5	4.48	−4
13	24.22	+6	51.91	−4	{26.24 {26.35	+5 +18	57.06 56.75	−6 −5	60.41	−2	4.24	−6
14	24.30	+8	51.62	−1	26.48	+27	56.45	−2	60.27	+1	3.99	−7
15	24.38	+8	51.33	+2	26.63	+32	56.14	+1	60.14	+4	3.74	−7
16	24.47	+8	51.04	+6	26.80	+30	55.84	+5	60.01	+7	3.49	−5
17	24.56	+5	50.75	+9	26.98	+23	55.54	+8	59.89	+8	3.24	−2
18	24.66	+2	50.47	+10	27.19	+11	55.24	+10	59.77	+8	2.98	+2
19	24.76	−2	50.19	+10	27.42	−2	54.94	+10	59.66	+7	2.72	+6
20	24.87	−5	49.91	+8	27.67	−15	54.64	+8	59.55	+4	2.45	+8
21	24.99	−7	49.63	+4	27.94	−24	54.35	+5	59.44	+1	2.18	+9
sec δ, tg δ	+13.65		+13.61		+49.83		+49.82		+12.30		+12.26	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 0^m$	in $0.^s01$	+87° 11′	in $0.''01$	$9^h 25^m$	in $0.^s01$	+81° 42′	in $0.''01$	$16^h 54^m$	in $0.^s01$	+82° 10′	in $0.''01$
März 15	$58.^s15$	− 7	$35.''01$	+ 5	$8.^s57$	−1	$38.''57$	+ 6	$45.^s39$	+3	$19.''85$	+2
16	57.76	− 9	35.12	+ 1	8.50	−3	38.82	+ 3	45.55	+2	19.90	+5
17	57.37	− 8	35.22	− 3	8.43	−3	39.07	− 1	45.71	0	19.96	+7
18	56.98	− 6	35.32	− 7	8.35	−3	39.32	− 5	45.87	−2	20.03	+8
19	56.58	− 2	35.41	− 9	8.27	−2	39.57	− 9	46.02	−3	20.11	+7
20	56.18	+ 3	35.50	−10	8.19	0	39.81	−10	46.17	−5	20.19	+4
21	55.78	+ 8	35.58	− 9	8.11	+1	40.05	−10	46.32	−5	20.28	0
22	55.38	+12	35.65	− 6	8.02	+3	40.28	− 8	46.47	−5	20.38	−3
23	54.97	+13	35.72	− 2	7.93	+4	40.51	− 5	46.62	−4	20.49	−7
24	54.56	+13	35.78	+ 2	7.84	+4	40.74	− 1	46.77	−2	20.60	−9
25	54.15	+10	35.84	+ 6	7.75	+4	40.96	+ 3	46.91	0	20.71	−9
26	53.74	+ 5	35.89	+ 8	7.65	+3	41.18	+ 6	47.06	+2	20.83	−7
27	53.33	− 1	35.93	+ 9	7.55	+1	41.39	+ 8	47.20	+4	20.96	−4
28	52.92	− 6	35.97	+ 8	7.45	−1	41.60	+ 9	47.35	+4	21.09	0
29	52.51	−11	36.00	+ 5	7.35	−3	41.81	+ 7	47.49	+4	21.23	+4
30	52.10	−13	36.03	+ 1	7.25	−4	42.01	+ 4	47.63	+3	21.38	+7
31	51.69	−13	36.05	− 2	7.15	−5	42.21	+ 1	47.77	+2	21.53	+9
April 1	51.28	−11	36.06	− 5	7.05	−4	42.40	− 2	47.91	0	21.69	+9
2	50.86	− 7	36.07	− 7	6.94	−3	42.59	− 5	48.05	−1	21.85	+8
3	50.45	− 2	36.07	− 7	6.83	−2	42.78	− 6	48.19	−2	22.02	+5
4	50.03	+ 3	36.06	− 5	6.72	0	42.96	− 6	48.32	−3	22.19	+1
5	49.62	+ 7	36.05	− 3	6.61	+2	43.13	− 4	48.45	−2	22.36	−3
6	49.21	+ 9	36.04	+ 1	6.50	+3	43.30	− 1	48.58	−1	22.54	−6
7	48.80	+ 9	36.02	+ 5	6.39	+3	43.46	+ 2	48.71	0	22.73	−8
8	48.39	+ 6	35.99	+ 7	6.27	+3	43.62	+ 6	48.84	+2	22.92	−8
9	47.98	+ 3	35.96	+ 9	6.15	+2	43.78	+ 7	48.96	+3	23.12	−6
10	47.57	− 2	35.92	+ 8	6.03	0	43.93	+ 8	49.08	+3	23.32	−3
11	47.16	− 6	35.87	+ 6	5.91	−1	44.07	+ 7	49.20	+3	23.53	0
12	46.76	− 8	35.82	+ 2	5.79	−2	44.21	+ 4	49.32	+3	23.74	+4
13	46.36	− 9	35.76	− 2	5.67	−3	44.34	+ 1	49.44	+1	23.96	+7
14	45.96	− 7	35.69	− 5	5.54	−3	44.47	− 4	49.56	−1	24.18	+8
15	45.56	− 4	35.62	− 8	5.42	−3	44.60	− 7	49.67	−3	24.40	+7
16	45.17	+ 1	35.55	−10	5.30	−1	44.72	−10	49.78	−4	24.63	+5
17	44.77	+ 6	35.47	− 9	5.17	0	44.83	−10	49.89	−5	24.86	+2
18	44.38	+10	35.38	− 7	5.05	+2	44.94	− 9	50.00	−5	25.10	−2
19	43.99	+13	35.28	− 4	4.92	+4	45.04	− 7	50.10	−4	25.34	−6
20	43.60	+13	35.18	0	4.79	+4	45.13	− 3	50.20	−2	25.58	−8
21	43.22	+11	35.08	+ 4	4.66	+4	45.22	+ 1	50.30	0	25.83	−9
sec δ, tg δ	+20.42		+20.40		+6.94		+6.86		+7.34		+7.28	

1914	δ Ursae minoris $4^m.3$.				λ Ursae minoris $6^m.8$.				76 Draconis $6^m.0$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$	in s 0.01	$+86° 36'$	in " 0.01	$19^h 5^m$	in s 0.01	$+89° 0'$	in " 0.01	$20^h 48^m$	in s 0.01	$+82° 12'$	in " 0.01
	s		"		s		"		s		"	
März 15	51.90	+ 7	22.89	0	16.41	+25	20.79	− 1	41.91	+3	33.00	− 4
16	52.26	+ 6	22.86	+4	17.53	+24	20.67	+ 3	42.02	+3	32.77	0
17	52.61	+ 3	22.84	+7	18.66	+16	20.56	+ 6	42.13	+3	32.55	+ 4
18	52.97	− 1	22.83	+9	19.80	+ 4	20.46	+ 9	42.24	+2	32.33	+ 8
19	53.33	− 6	22.82	+8	20.94	−10	20.37	+10	42.36	+1	32.12	+10
20	53.69	− 9	22.82	+6	22.09	−24	20.28	+ 8	42.48	−1	31.91	+10
21	54.04	−11	22.82	+3	23.25	−34	20.20	+ 6	42.60	−3	31.71	+ 9
22	54.40	−11	22.83	−1	24.41	−39	20.12	+ 2	42.72	−4	31.51	+ 6
23	54.75	−10	22.85	−5	25.57	−37	20.05	− 2	42.85	−5	31.32	+ 2
24	55.11	− 6	22.87	−8	26.74	−28	19.98	− 6	42.98	−4	31.13	− 2
25	55.46	− 2	22.90	−9	27.92	−14	19.92	− 8	43.11	−3	30.95	− 6
26	55.81	+ 3	22.94	−8	29.10	+ 2	19.87	− 9	43.24	−1	30.78	− 8
27	56.16	+ 7	22.98	−6	30.28	+18	19.83	− 7	43.37	+1	30.61	− 9
28	56.51	+10	23.03	−3	31.46	+30	19.79	− 5	43.51	+3	30.44	− 8
29	56.86	+11	23.08	+1	32.65	+37	19.76	− 1	43.65	+4	30.28	− 5
30	57.21	+10	23.14	+5	33.84	+37	19.73	+ 3	43.79	+5	30.13	− 1
31	57.56	+ 7	23.21	+8	35.03	+31	19.71	+ 6	43.93	+5	29.98	+ 2
April 1	57.91	+ 3	23.28	+9	36.22	+19	19.69	+ 8	44.07	+4	29.84	+ 5
2	58.25	− 1	23.36	+8	37.41	+ 5	19.68	+ 8	44.21	+2	29.70	+ 6
3	58.59	− 4	23.45	+6	38.60	− 8	19.68	+ 6	44.34	0	29.57	+ 6
4	58.93	− 6	23.54	+2	39.79	−19	19.68	+ 3	44.48	−2	29.45	+ 5
5	59.27	− 6	23.64	−2	40.98	−24	19.69	− 1	44.62	−3	29.33	+ 2
6	59.60	− 5	23.74	−6	42.17	−22	19.70	− 4	44.77	−3	29.22	− 2
7	59.93	− 2	23.85	−8	43.36	−16	19.72	− 7	44.92	−3	29.11	− 5
8	60.26	+ 1	23.96	−9	44.54	− 5	19.75	− 9	45.07	−2	29.01	− 7
9	60.59	+ 4	24.08	−8	45.72	+ 7	19.79	− 9	45.22	−1	28.91	− 8
10	60.91	+ 7	24.21	−5	46.90	+17	19.83	− 6	45.37	+1	28.82	− 8
11	61.23	+ 8	24.34	−1	48.08	+24	19.87	− 3	45.52	+2	28.74	− 5
12	61.55	+ 7	24.48	+3	49.25	+25	19.92	+ 1	45.67	+3	28.66	− 2
13	61.87	+ 4	24.62	+6	50.41	+20	19.98	+ 5	45.83	+3	28.59	+ 2
14	62.18	0	24.77	+8	51.57	+10	20.05	+ 8	45.99	+3	28.53	+ 6
15	62.49	− 4	24.92	+9	52.73	− 4	20.12	+ 9	46.15	+1	28.47	+ 9
16	62.80	− 8	25.08	+7	53.88	−19	20.19	+ 9	46.30	0	28.42	+10
17	63.10	−11	25.25	+4	55.03	−31	20.27	+ 7	46.46	−2	28.37	+10
18	63.40	−12	25.42	+1	56.16	−38	20.36	+ 3	46.61	−4	28.33	+ 7
19	63.69	−11	25.60	−3	57.29	−39	20.45	− 1	46.77	−5	28.30	+ 4
20	63.98	− 8	25.78	−6	58.41	−33	20.55	− 4	46.93	−5	28.27	− 1
21	64.27	− 4	25.96	−8	59.53	−21	20.66	− 7	47.08	−4	28.25	− 4
sec δ, tg δ	+16.89		+16.86		+57.60		+57.59		+7.38		+7.31	

1914	43 Hev. Cephei 4ᵐ.3.				α Ursae minoris 2ᵐ.0.				Gr. 750 6ᵐ.8.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	0ʰ 56ᵐ	in s 0.01	+85° 47′	in ″ 0.01	1ʰ 27ᵐ	in s 0.01	+88° 50′	in ″ 0.01	4ʰ 8ᵐ	in s 0.01	+85° 19′	in ″ 0.01
	s		″		s		″		s		″	
April 21	24.99	−7	49.63	+4	27.94	−24	54.35	+5	59.44	+1	62.18	+9
22	25.11	−8	49.35	0	28.23	−28	54.05	+1	59.34	−2	61.91	+8
23	25.23	−7	49.08	−4	28.53	−26	53.76	−3	59.24	−5	61.64	+6
24	25.36	−4	48.81	−7	28.86	−19	53.47	−7	59.15	−7	61.36	+2
25	25.49	−1	48.55	−9	29.20	−8	53.18	−9	59.07	−7	61.09	−2
26	25.63	+2	48.29	−9	29.56	+4	52.89	−10	58.99	−6	60.81	−6
27	25.77	+5	48.03	−8	29.95	+16	52.61	−9	58.91	−4	60.53	−9
28	25.92	+7	47.77	−5	30.35	+23	52.33	−6	58.84	−1	60.25	−10
29	26.08	+7	47.52	−2	30.77	+25	52.06	−3	58.77	+1	59.97	−9
30	26.24	+6	47.27	+2	31.21	+22	51.78	+1	58.71	+4	59.68	−7
Mai 1	26.41	+3	47.02	+5	31.66	+13	51.51	+4	58.65	+5	59.39	−3
2	26.58	0	46.78	+6	32.13	+2	51.24	+6	58.60	+4	59.10	+1
3	26.75	−4	46.54	+6	32.63	−11	50.97	+6	58.55	+3	58.81	+5
4	26.93	−6	46.30	+4	33.14	−21	50.71	+5	58.51	+1	58.52	+7
5	27.11	−8	46.07	+1	33.67	−28	50.45	+2	58.47	−2	58.23	+8
6	27.30	−8	45.84	−2	34.21	−29	50.19	−1	58.44	−4	57.94	+7
7	27.49	−6	45.62	−5	34.77	−24	49.93	−4	58.41	−6	57.65	+5
8	27.68	−3	45.40	−6	35.35	−14	49.68	−6	58.39	−6	57.35	+1
9	27.88	+1	45.18	−7	35.94	−1	49.43	−7	58.37	−5	57.05	−2
10	28.08	+4	44.97	−5	36.55	+11	49.19	−6	58.36	−3	56.76	−5
11	28.29	+7	44.76	−3	37.18	+24	48.95	−4	58.35	0	56.47	−7
12	28.50	+8	44.56	+1	37.82	+30	48.71	0	58.35	+3	56.17	−7
13	28.72	+8	44.36	+4	38.48	+31	48.48	+4	58.35	+6	55.88	−6
14	28.94	+6	44.17	+8	39.16	+26	48.25	+7	58.36	+8	55.58	−3
15	29.16	+3	43.98	+10	39.85	+16	48.02	+9	58.37	+9	55.28	+1
16	29.39	0	43.79	+10	40.55	+3	47.80	+10	58.39	+8	54.98	+4
17	29.62	−4	43.61	+9	41.27	−10	47.58	+9	58.41	+6	54.69	+7
18	29.85	−6	43.43	+6	42.00	−21	47.36	+7	58.44	+2	54.39	+9
19	30.09	−8	43.26	+2	42.75	−27	47.15	+3	58.47	−1	54.09	+9
20	30.33	−7	43.09	−3	43.51	−28	46.94	−1	58.51	−4	53.79	+7
21	30.57	−5	42.93	−6	44.29	−22	46.74	−5	58.55	−6	53.50	+4
22	30.82	−2	42.77	−9	45.08	−13	46.54	−8	58.59	−7	53.20	0
23	31.07	+1	42.62	−10	45.88	0	46.35	−10	58.64	−7	52.91	−4
24	31.32	+4	42.47	−9	46.70	+11	46.16	−9	58.70	−5	52.62	−7
25	31.58	+7	42.33	−6	47.53	+21	45.98	−7	{58.76 58.83	−2 0	52.32 52.03	−9 −9
26	31.84	+7	42.19	−3	48.38	+25	45.80	−4	58.90	+3	51.74	−8
27	32.10	+6	42.06	+1	49.23	+24	45.62	0	58.98	+4	51.45	−5
28	32.37	+4	41.94	+4	50.09	+17	45.45	+3	59.06	+5	51.16	−1
sec δ, tg δ	+13.64		+13.60		+49.70		+49.69		+12.29		+12.25	

1914	51 Hev. Cephei 5m.2.				1 Hev. Draconis 4m.3.				ε Ursae minoris 4m.2.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	7h 0m	in s 0.01	+87° 11'	in " 0.01	9h 24m	in s 0.01	+81° 42'	in " 0.01	16h 54m	in s 0.01	+82° 10'	in " 0.01
April 21	43.22	+11	35.08	+ 4	64.66	+4	45.22	+ 1	50.30	0	25.83	−9
22	42.84	+ 7	34.97	+ 7	64.53	+3	45.30	+ 5	50.40	+1	26.08	−8
23	42.46	+ 2	34.86	+ 8	64.40	+2	45.38	+ 8	50.49	+3	26.34	−6
24	42.09	− 4	34.74	+ 8	64.27	0	45.45	+ 9	50.58	+4	26.60	−2
25	41.72	− 9	34.61	+ 6	64.14	−2	45.52	+ 8	50.67	+4	26.87	+2
26	41.35	−12	34.48	+ 3	64.01	−4	45.58	+ 6	50.76	+4	27.14	+6
27	40.99	−13	34.34	− 1	63.88	−4	45.64	+ 2	50.85	+2	27.41	+8
28	40.63	−12	34.20	− 4	63.75	−4	45.69	− 1	50.93	+1	27.68	+9
29	40.28	− 9	34.05	− 6	63.61	−4	45.74	− 4	51.01	−1	27.96	+8
30	39.93	− 4	33.90	− 7	63.48	−2	45.78	− 6	51.09	−2	28.24	+6
Mai 1	39.59	+ 1	33.74	− 6	63.35	0	45.81	− 6	51.16	−3	28.52	+2
2	39.25	+ 6	33.58	− 4	63.21	+1	45.83	− 5	51.23	−3	28.81	−2
3	38.91	+ 8	33.41	0	63.08	+2	45.85	− 2	51.30	−2	29.10	−5
4	38.58	+ 9	33.24	+ 3	62.95	+3	45.87	+ 1	51.37	0	29.39	−8
5	38.26	+ 7	33.06	+ 6	62.82	+3	45.88	+ 4	51.43	+1	29.69	−8
6	37.94	+ 4	32.88	+ 8	62.69	+2	45.88	+ 7	51.49	+2	29.99	−7
7	37.62	0	32.69	+ 9	62.56	+1	45.88	+ 8	51.55	+3	30.29	−5
8	37.31	− 4	32.50	+ 7	62.42	0	45.87	+ 8	51.61	+4	30.60	−1
9	37.00	− 8	32.30	+ 4	62.29	−2	45.86	+ 6	51.66	+3	30.90	+3
10	36.70	− 9	32.10	0	62.16	−3	45.84	+ 2	51.71	+2	31.21	+6
11	36.41	− 8	31.89	− 4	62.03	−3	45.82	− 2	51.76	0	31.52	+8
12	36.12	− 5	31.69	− 7	61.90	−3	45.79	− 6	51.81	−2	31.83	+8
13	35.84	− 1	31.48	− 9	61.77	−2	45.75	− 9	51.85	−4	32.14	+6
14	35.56	+ 4	31.26	−10	61.64	0	45.71	−10	51.89	−5	32.45	+3
15	35.29	+ 9	31.04	− 8	61.51	+2	45.66	−10	51.93	−5	32.76	0
16	35.02	+12	30.81	− 5	61.38	+3	45.61	− 8	51.96	−5	33.07	−4
17	34.76	+14	30.58	− 1	61.25	+4	45.55	− 5	51.99	−3	33.39	−7
18	34.51	+12	30.35	+ 3	61.12	+4	45.48	− 1	52.02	−1	33.71	−9
19	34.26	+ 9	30.11	+ 6	61.00	+4	45.41	+ 4	52.05	+1	34.03	−9
20	34.02	+ 4	29.87	+ 8	60.87	+2	45.34	+ 7	52.07	+2	34.35	−7
21	33.79	− 2	29.63	+ 8	60.75	+1	45.26	+ 8	52.09	+4	34.67	−4
22	33.56	− 7	29.38	+ 7	60.62	−1	45.17	+ 8	52.11	+4	34.99	0
23	33.34	−11	29.13	+ 4	60.50	−3	45.08	+ 7	52.12	+4	35.31	+4
24	33.13	−13	28.87	+ 1	60.38	−4	44.99	+ 4	52.13	+3	35.64	+8
25	32.92	−13	28.61	− 3	60.26	−5	44.89	0	52.14	+1	35.96	+9
26	32.72	−10	28.35	− 6	60.14	−4	44.78	− 3	52.15	0	36.28	+9
27	32.53	− 6	28.09	− 7	60.02	−3	44.67	− 5	52.15	−2	36.61	+7
28	32.34	− 1	27.82	− 7	59.90	−1	44.55	− 6	52.15	−2	36.93	+4
sec δ, tg δ	+20.41		+20.39		+6.94		+6.86		+7.35		+7.28	

1914	δ Ursae minoris 4^m.3.				λ Ursae minoris 6^m.8.				76 Draconis 6^m.0.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	18ʰ 0ᵐ s	in 0.01 s	+86° 36' "	in 0.01 "	19ʰ 5ᵐ s	in 0.01 s	+89° 0' "	in 0.01 "	20ʰ 48ᵐ s	in 0.01 s	+82° 12' "	in 0.01 "
April 21	4.27	− 4	25.96	−8	59.53	−21	20.66	−7	47.08	−4	28.25	− 4
22	4.55	+ 1	26.15	−9	60.63	− 5	20.77	−9	47.24	−2	28.23	− 7
23	4.83	+ 5	26.35	−7	61.73	+12	20.89	−8	47.40	0	28.22	− 9
24	5.10	+ 9	26.55	−4	62.82	+26	21.01	−6	47.56	+2	28.22	− 8
25	5.37	+10	26.76	0	63.90	+35	21.14	−3	47.72	+4	28.22	− 6
26	5.63	+10	26.97	+4	64.97	+38	21.27	+1	47.87	+5	28.24	− 3
27	5.89	+ 8	27.18	+7	66.03	+34	21.41	+5	48.03	+5	28.26	+ 1
28	6.15	+ 5	27.39	+9	67.07	+24	21.55	+7	48.19	+4	28.28	+ 4
29	6.40	+ 1	27.61	+9	68.11	+11	21.70	+8	48.35	+3	28.31	+ 6
30	6.65	− 3	27.84	+7	69.13	− 3	21.86	+7	48.51	+1	28.34	+ 7
Mai 1	6.89	− 5	28.07	+3	70.15	−15	22.02	+4	48.67	−1	28.38	+ 6
2	7.12	− 6	28.31	0	71.16	−22	22.19	+1	48.83	−2	28.43	+ 3
3	7.35	− 6	28.55	−4	72.15	−23	22.36	−3	48.99	−3	28.48	0
4	7.58	− 3	28.79	−7	73.13	−19	22.53	−6	49.15	−3	28.54	− 4
5	7.80	0	29.04	−9	74.09	− 9	22.71	−8	49.31	−3	28.61	− 7
6	8.02	+ 3	29.29	−8	75.04	+ 2	22.90	−9	49.46	−1	28.68	− 8
7	8.23	+ 6	29.54	−6	75.97	+14	23.09	−7	49.62	0	28.76	− 8
8	8.43	+ 8	29.80	−3	76.89	+23	23.28	−4	49.77	+2	28.85	− 6
9	8.63	+ 7	30.06	+1	77.80	+26	23.48	0	49.93	+3	28.94	− 3
10	8.83	+ 5	30.33	+5	78.70	+23	23.68	+4	50.09	+3	29.04	+ 1
11	9.02	+ 2	30.60	+8	79.58	+15	23.89	+7	50.24	+3	29.14	+ 5
12	9.20	− 2	30.87	+9	80.44	+ 1	24.10	+9	50.39	+2	29.25	+ 8
13	9.38	− 6	31.14	+8	81.29	−13	24.32	+9	50.54	0	29.36	+10
14	9.55	−10	31.42	+6	82.12	−27	24.54	+8	50.70	−2	29.48	+10
15	9.71	−12	31.70	+2	82.94	−34	24.77	+5	50.85	−3	29.60	+ 8
16	9.87	−11	31.99	−2	83.74	−40	25.00	+1	51.00	−4	29.73	+ 5
17	10.02	− 9	32.28	−5	84.52	−37	25.24	−3	51.15	−5	29.87	+ 1
18	10.17	− 6	32.57	−8	85.29	−27	25.48	−6	51.29	−4	30.01	− 3
19	10.31	− 1	32.86	−9	86.04	−12	25.72	−8	51.44	−3	30.16	− 6
20	10.44	+ 3	33.15	−8	86.77	+ 5	25.97	−8	51.59	−1	30.31	− 8
21	10.57	+ 8	33.45	−5	87.49	+20	26.22	−7	51.73	+1	30.47	− 8
22	10.69	+10	33.75	−2	88.19	+32	26.47	−4	51.88	+3	30.63	− 7
23	10.81	+10	34.05	+2	88.87	+37	26.73	0	52.02	+4	30.80	− 4
24	10.92	+ 9	34.35	+6	89.53	+36	26.99	+3	52.16	+5	30.98	0
25	11.02	+ 6	34.65	+8	90.18	+28	27.25	+6	52.30	+4	31.16	+ 3
26	11.12	+ 2	34.96	+9	90.80	+16	27.52	+7	52.44	+3	31.35	+ 5
27	11.21	− 1	35.27	+8	91.41	+ 2	27.79	+8	52.58	+2	31.55	+ 7
28	11.30	− 5	35.58	+5	91.99	−10	28.06	+6	52.71	0	31.75	+ 6
sec δ, tg δ	+16.90		+16.87		+57.63		+57.62		+7.38		+7.31	

1914	43 Hev. Cephei $4^m.3$.				α Ursae minoris $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	0^h56^m s	in s 0.01	$+85°47'$ "	in " 0.01	1^h27^m s	in s 0.01	$+88°50'$ "	in " 0.01	4^h8^m s	in s 0.01	$+85°19'$ "	in " 0.01
Mai 28	32.37	+4	41.94	+ 4	50.09	+17	45.45	+ 3	59.06	+5	51.16	− 1
29	32.64	+1	41.82	+ 5	50.97	+ 7	45.29	+ 5	59.14	+4	50.87	+ 3
30	32.91	−2	41.70	+ 6	51.86	− 6	45.13	+ 6	59.23	+2	50.59	+ 6
31	33.18	−6	41.59	+ 5	52.76	−18	44.97	+ 5	59.33	−1	50.31	+ 8
Juni 1	33.45	−8	41.48	+ 2	53.67	−26	44.82	+ 3	59.43	−3	50.03	+ 8
2	33.73	−8	41.38	− 1	54.59	−29	44.67	0	59.54	−5	49.75	+ 6
3	34.01	−7	41.28	− 4	55.52	−27	44.53	− 3	59.65	−7	49.47	+ 3
4	34.29	−4	41.19	− 6	56.46	−18	44.39	− 5	59.76	−6	49.20	− 1
5	34.57	−1	41.11	− 7	57.41	− 6	44.26	− 7	59.87	−4	48.93	− 4
6	34.86	+3	41.03	− 6	58.37	+ 7	44.14	− 7	59.99	−2	48.66	− 7
7	35.15	+6	40.96	− 4	59.34	+20	44.02	− 5	60.12	+2	48.39	− 7
8	35.44	+8	40.89	− 1	60.31	+28	43.90	− 2	60.25	+5	48.12	− 7
9	35.73	+8	40.83	+ 3	61.30	+32	43.79	+ 2	60.39	+7	47.85	− 5
10	36.02	+7	40.77	+ 7	62.30	+29	43.68	+ 6	60.53	+8	47.59	− 1
11	36.31	+5	40.72	+ 9	63.30	+21	43.58	+ 9	60.67	+8	47.33	+ 3
12	36.61	+1	40.67	+10	64.31	+ 9	43.48	+10	60.82	+7	47.07	+ 6
13	36.91	−2	40.63	+10	65.33	− 5	43.39	+10	60.97	+4	46.81	+ 9
14	37.21	−6	40.59	+ 7	66.36	−17	43.31	+ 8	61.13	0	46.56	+ 9
15	37.51	−7	40.56	+ 3	67.39	−25	43.23	+ 5	61.29	−3	46.31	+ 8
16	37.81	−8	40.54	− 1	68.43	−28	43.16	0	61.46	−5	46.06	+ 5
17	38.11	−6	40.52	− 5	69.48	−25	43.09	− 4	61.63	−7	45.81	+ 2
18	38.41	−4	40.51	− 8	70.53	−17	43.02	− 7	61.80	−7	45.57	− 2
19	38.71	0	40.51	− 9	71.59	− 6	42.96	− 9	61.98	−5	45.33	− 6
20	39.02	+3	40.50	− 9	72.65	+ 7	42.91	−10	62.16	−3	45.10	− 9
21	39.32	+6	40.50	− 7	73.72	+18	42.86	− 8	62.35	0	44.87	−10
22	39.63	+7	40.51	− 4	74.80	+25	42.82	− 5	62.54	+2	44.64	− 9
23	39.94	+7	40.53	− 1	75.88	+25	42.78	− 2	62.73	+4	44.41	− 6
24	40.25	+5	40.55	+ 2	76.97	+21	42.75	+ 2	62.93	+5	44.19	− 2
25	40.56	+2	40.58	+ 5	78.06	+11	42.73	+ 5	63.13	+4	43.97	+ 2
26	40.87	−1	40.61	+ 6	79.15	− 1	42.71	+ 6	63.33	+3	43.76	+ 5
27	41.18	−4	40.65	+ 5	80.24	−13	42.69	+ 6	63.54	0	43.55	+ 7
28	41.49	−7	40.69	+ 3	81.34	−23	42.68	+ 4	63.75	−3	43.34	+ 8
29	41.80	−8	40.74	0	82.44	−29	42.67	+ 2	63.96	−5	43.13	+ 6
30	42.11	−8	40.79	− 3	83.54	−28	42.68	− 2	64.18	−6	42.93	+ 4
Juli 1	42.42	−5	40.85	− 5	84.65	−22	42.69	− 4	64.40	−6	42.73	0
2	42.73	−2	40.92	− 7	85.76	−11	42.70	− 6	64.63	−5	42.54	− 3
3	43.04	+1	40.99	− 7	86.87	+ 2	42.72	− 7	64.86	−3	42.35	− 6
4	43.35	+5	41.07	− 5	87.99	+15	42.74	− 6	65.09	0	42.16	− 7
sec δ, tg δ	+13.64		+13.60		+49.62		+49.61		+12.28		+12.24	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 0^m$	in ^{s} 0.01	+87° 11′	in ″ 0.01	$9^h\ 24^m$	in ^{s} 0.01	+81° 42′	in ″ 0.01	$16^h\ 54^m$	in ^{s} 0.01	+82° 10′	in ″ 0.01
Mai 28	32.34	− 1	27.82	− 7	59.90	−1	44.55	− 6	52.15	−2	36.93	+4
29	32.16	+ 4	27.55	− 6	59.78	+1	44.43	− 6	52.15	−3	37.26	0
30	31.99	+ 7	27.27	− 2	59.66	+2	44.30	− 4	52.15	−2	37.58	−4
31	31.82	+ 9	26.99	+ 2	59.55	+3	44.16	0	52.14	−1	37.90	−7
Juni 1	31.66	+ 8	26.71	+ 5	59.43	+3	44.02	+ 3	52.13	+1	38.23	−8
2	31.51	+ 5	26.43	+ 8	59.32	+3	43.88	+ 6	52.12	+2	38.55	−8
3	31.37	+ 2	26.14	+ 9	59.21	+2	43.73	+ 8	52.10	+3	38.87	−6
4	31.23	− 3	25.86	+ 8	59.10	0	43.57	+ 8	52.08	+4	39.19	−3
5	31.10	− 7	25.57	+ 5	58.99	−1	43.41	+ 7	52.06	+3	39.51	+1
6	30.98	− 9	25.28	+ 2	58.88	−3	43.24	+ 4	52.04	+2	39.83	+5
7	30.86	− 9	24.98	− 2	58.78	−3	43.07	0	52.01	+1	40.15	+7
8	30.75	− 7	24.68	− 7	58.68	−3	42.90	− 4	51.98	−1	40.47	+8
9	30.65	− 3	24.39	− 9	58.58	−2	42.72	− 8	51.95	−3	40.79	+7
10	30.56	+ 2	24.09	−10	58.48	−1	42.54	−10	51.91	−4	41.11	+5
11	30.48	+ 7	23.79	− 9	58.38	+1	42.35	−10	51.87	−5	41.43	+1
12	30.40	+11	23.48	− 7	58.28	+2	42.16	− 9	51.83	−5	41.74	−3
13	30.33	+13	23.18	− 3	58.18	+4	41.96	− 6	51.79	−4	42.05	−6
14	30.27	+13	22.87	+ 1	58.09	+4	41.76	− 2	51.74	−2	42.36	−8
15	30.21	+11	22.56	+ 5	58.00	+4	41.56	+ 2	51.69	0	42.67	−9
16	30.16	+ 6	22.25	+ 7	57.91	+3	41.35	+ 6	51.64	+2	42.98	−8
17	30.12	+ 1	21.94	+ 8	57.82	+1	41.13	+ 8	51.59	+3	43.29	−5
18	30.09	− 5	21.63	+ 8	57.73	0	40.91	+ 8	51.53	+4	43.60	−1
19	30.06	−10	21.32	+ 5	57.65	−2	40.69	+ 7	51.47	+4	43.90	+3
20	30.04	−13	21.01	+ 2	57.57	−4	40.47	+ 5	51.41	+3	44.20	+6
21	30.03	−13	20.69	− 2	57.49	−4	40.24	+ 2	51.34	+2	44.50	+9
22	30.03	−11	20.38	− 5	57.40	−4	40.01	− 2	51.27	0	44.79	+9
23	30.04	− 8	20.06	− 7	57.32	−3	39.77	− 5	51.20	−1	45.09	+8
24	30.05	− 3	19.74	− 7	57.24	−2	39.53	− 6	51.13	−2	45.38	+5
25	30.07	+ 2	19.42	− 6	57.17	0	39.28	− 6	51.06	−3	45.67	+1
26	30.10	+ 6	19.10	− 3	57.10	+2	39.03	− 4	50.98	−2	45.96	−3
27	30.14	+ 8	18.78	0	57.03	+3	38.78	− 1	50.90	−1	46.24	−6
28	30.18	+ 8	18.46	+ 4	56.96	+3	38.52	+ 2	50.81	0	46.52	−8
29	30.23	+ 6	18.14	+ 7	56.89	+3	38.26	+ 5	50.73	+1	46.80	−8
30	30.29	+ 3	17.82	+ 9	56.83	+2	38.00	+ 8	50.64	+3	47.08	−7
Juli 1	30.36	− 1	17.50	+ 9	56.77	+1	37.73	+ 8	50.56	+4	47.35	−4
2	30.43	− 5	17.18	+ 7	56.71	−1	37.46	+ 8	50.47	+4	47.62	0
3	30.51	− 8	16.85	+ 3	56.65	−2	37.19	+ 5	50.38	+3	47.89	+3
4	30.60	− 9	16.53	− 1	56.59	−3	36.91	+ 1	50.28	+1	48.15	+6
sec δ, tg δ	+20.39		+20.37		+6.94		+6.86		+7.35		+7.28	

1914	δ Ursae minoris $4^m.3$.				λ Ursae minoris $6^m.8$.				76 Draconis $6^m.0$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$18^h\,0^m$	in s 0.01	$+86°\,36'$	in " 0.01	$19^h\,6^m$	in s 0.01	$+89°\,0'$	in " 0.01	$20^h\,48^m$	in s 0.01	$+82°\,12'$	in " 0.01
Mai 28	11.30	−5	35.58	+5	31.99	−10	28.06	+6	52.71	0	31.75	+6
29	11.38	−6	35.89	+1	32.56	−20	28.34	+2	52.84	−2	31.95	+4
30	11.45	−6	36.21	−3	33.11	−23	28.62	−1	52.97	−3	32.16	+1
31	11.52	−4	36.52	−6	33.64	−21	28.91	−5	53.10	−3	32.37	−2
Juni 1	11.58	−1	36.84	−8	34.15	−13	29.19	−8	53.23	−3	32.58	−6
2	11.63	+2	37.15	−9	34.64	−2	29.48	−9	53.36	−2	32.80	−8
3	11.68	+5	37.47	−7	35.11	+10	29.77	−8	53.48	0	33.03	−9
4	11.72	+7	37.79	−4	35.56	+20	30.07	−6	53.60	+1	33.26	−7
5	11.76	+8	38.11	0	35.99	+26	30.36	−2	53.72	+3	33.50	−5
6	11.79	+7	38.43	+3	36.40	+25	30.66	+2	53.84	+3	33.74	−1
7	11.81	+4	38.75	+7	36.78	+19	30.96	+6	53.96	+3	33.98	+3
8	11.82	0	39.07	+8	37.15	+7	31.27	+8	54.08	+3	34.23	+7
9	11.83	−5	39.40	+9	37.50	−7	31.57	+10	54.20	+1	34.48	+9
10	11.83	−9	39.72	+7	37.83	−22	31.88	+9	54.31	−1	34.74	+10
11	11.83	−11	40.05	+4	38.14	−33	32.19	+6	54.42	−3	35.00	+9
12	11.82	−12	40.37	0	38.43	−40	32.50	+3	54.53	−4	35.26	+7
13	11.80	−10	40.70	−4	38.69	−39	32.81	−1	54.64	−5	35.53	+3
14	11.78	−7	41.02	−7	38.93	−32	33.13	−5	54.75	−5	35.80	−1
15	11.75	−3	41.35	−9	39.16	−19	33.45	−7	54.85	−4	36.08	−5
16	11.71	+2	41.67	−8	39.36	−2	33.77	−9	54.95	−2	36.36	−7
17	11.67	+6	42.00	−6	39.54	+14	34.09	−8	55.05	0	36.64	−8
18	11.62	+9	42.32	−3	39.70	+27	34.41	−5	55.15	+2	36.93	−7
19	11.56	+10	42.65	+1	39.84	+35	34.73	−2	55.24	+4	37.22	−5
20	11.50	+10	42.97	+5	39.95	+37	35.06	+2	55.33	+5	37.52	−2
21	11.43	+7	43.29	+7	40.04	+32	35.38	+5	55.42	+5	37.82	+2
22	11.35	+4	43.61	+9	40.11	+21	35.71	+7	55.51	+4	38.12	+5
23	11.27	0	43.93	+8	40.16	+8	36.03	+8	55.59	+2	38.42	+6
24	11.18	−4	44.25	+6	40.19	−6	36.36	+7	55.67	+1	38.73	+7
25	11.09	−6	44.57	+3	40.20	−16	36.69	+4	55.75	−1	39.04	+5
26	10.99	−6	44.89	−1	40.19	−22	37.02	0	55.83	−3	39.35	+2
27	10.88	−5	45.21	−5	40.15	−22	37.35	−4	55.91	−3	39.67	−1
28	10.77	−3	45.53	−8	40.09	−16	37.68	−7	55.98	−3	39.99	−5
29	10.65	+1	45.84	−9	40.02	−6	38.01	−9	56.05	−2	40.31	−7
30	10.53	+4	46.16	−8	39.92	+6	38.34	−9	56.12	−1	40.64	−9
Juli 1	10.40	+7	46.47	−6	39.80	+17	38.67	−7	56.19	+1	40.97	−8
2	10.26	+8	46.78	−2	39.65	+25	39.00	−4	56.26	+2	41.30	−6
3	10.12	+7	47.09	+2	39.49	+27	39.34	0	56.32	+3	41.63	−3
4	9.97	+5	47.40	+5	39.30	+23	39.67	+4	56.38	+3	41.97	+2
sec δ, tg δ	+16.92		+16.89		+57.84		+57.83		+7.38		+7.31	

1914	43 Hev. Cephei $4^m.3$				α Ursae minoris $2^m.0$				Gr. 750 $6^m.8$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in ^{s} 0.01	$+85° 47'$	in $''$ 0.01	$1^h 28^m$	in ^{s} 0.01	$+88° 50'$	in $''$ 0.01	$4^h 9^m$	in ^{s} 0.01	$+85° 19'$	in $''$ 0.01
	^{s}		$''$		^{s}		$''$		^{s}		$''$	
Juli 4	43.35	+5	41.07	−5	27.99	+15	42.74	−6	5.09	0	42.16	−7
5	43.66	+7	41.15	−2	29.10	+26	42.77	−3	5.32	+4	41.98	−7
6	43.96	+8	41.24	+2	30.22	+31	42.81	0	5.56	+6	41.80	−5
7	44.27	+8	41.33	+6	31.33	+31	42.85	+4	5.80	+8	41.63	−2
8	44.58	+6	41.43	+9	32.45	+25	42.89	+8	6.05	+8	41.46	+1
9	44.88	+2	41.53	+10	33.57	+14	42.94	+10	6.29	+7	41.29	+5
10	45.19	−1	41.64	+10	34.69	0	43.00	+10	6.54	+5	41.13	+8
11	45.49	−4	41.75	+8	35.81	−12	43.06	+9	6.79	+2	40.97	+9
12	45.80	−7	41.87	+5	36.93	−22	43.13	+6	7.04	−1	40.82	+9
13	46.10	−8	42.00	+1	38.05	−27	43.20	+2	7.30	−4	40.67	+7
14	46.40	−7	42.13	−3	39.16	−27	43.28	−2	7.56	−6	40.52	+3
15	46.70	−5	42.27	−7	40.28	−20	43.36	−6	7.82	−7	40.38	−1
16	47.00	−2	42.41	−9	41.39	−10	43.45	−8	8.09	−6	40.24	−5
17	47.30	+2	42.55	−9	42.50	+2	43.55	−10	8.36	−4	40.10	−8
18	47.60	+5	42.70	−8	43.61	+14	43.65	−9	8.63	−1	39.97	−9
19	47.90	+7	42.85	−6	44.72	+22	43.75	−6	8.90	+1	39.85	−9
20	48.19	+7	43.01	−2	45.83	+25	43.86	−3	9.18	+3	39.73	−7
21	48.49	+6	43.18	+1	46.94	+23	43.98	0	9.45	+5	39.61	−4
22	48.78	+4	43.35	+4	48.04	+15	44.10	+3	9.73	+5	39.50	0
23	49.07	0	43.53	+6	49.14	+4	44.22	+5	10.01	+3	39.39	+4
24	49.36	−3	43.71	+6	50.23	−9	44.35	+6	10.29	+1	39.29	+7
25	49.65	−6	43.90	+4	51.32	−20	44.49	+5	10.57	−2	39.19	+8
26	49.93	−8	44.09	+1	52.41	−27	44.63	+3	10.86	−4	39.10	+7
27	50.22	−8	44.28	−2	53.49	−29	44.77	0	11.15	−6	39.01	+5
28	50.50	−6	44.48	−5	54.57	−26	44.92	−4	11.44	−7	38.93	+2
29	50.78	−4	44.68	−7	55.65	−16	45.08	−6	11.73	−6	38.85	−2
30	51.06	0	44.89	−7	56.72	−4	45.24	−7	12.03	−4	38.77	−5
31	51.34	+3	45.10	−6	57.78	+10	45.41	−6	12.32	−1	38.70	−7
Aug. 1	51.61	+7	45.32	−3	58.84	+22	45.58	−4	12.62	+2	38.63	−8
2	51.88	+8	45.54	0	59.90	+29	45.75	−1	12.92	+5	38.57	−6
3	52.15	+8	45.77	+4	60.95	+31	45.93	+3	13.22	+8	38.52	−4
4	52.42	+7	46.00	+7	61.99	+28	46.12	+6	13.52	+9	38.47	0
5	52.68	+4	46.24	+10	63.03	+18	46.31	+9	13.82	+8	38.42	+4
6	52.95	0	46.48	+11	64.06	+6	46.50	+10	14.12	+6	38.38	+7
7	53.21	−3	46.73	+9	65.09	−7	46.70	+10	14.43	+3	38.34	+9
8	53.47	−6	46.98	+7	66.11	−19	46.90	+8	14.74	0	38.31	+9
9	53.72	−7	47.23	+3	67.12	−26	47.11	+4	15.05	−3	38.28	+8
10	53.98	−8	47.49	−1	68.12	−27	47.32	0	15.36	−5	38.26	+5
sec δ, tg δ	+13.64		+13.60		+49.64		+49.62		+12.28		+12.24	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 0^m$	in s 0.01	+87° 11′	in ″ 0.01	$9^h\ 24^m$	in s 0.01	+81° 42′	in ″ 0.01	$16^h\ 54^m$	in s 0.01	+82° 10′	in ″ 0.01
Juli 4	30.60	− 9	16.53	− 1	56.59	−3	36.91	+ 1	50.28	+1	48.15	+6
5	30.70	− 8	16.21	− 5	56.54	−3	36.63	− 3	50.18	0	48.41	+8
6	30.80 30.91	− 5 0	15.89 15.57	− 8 −10	56.49	−3	36.34	− 7	50.08	−2	48.67	+8
7	31.03	+ 5	15.25	−10	56.43	−2	36.05	− 9	49.98	−4	48.92	+6
8	31.16	+10	14.93	− 8	56.38	0	35.76	−10	49.87	−5	49.17	+3
9	31.29	+13	14.61	− 5	56.33	+2	35.47	−10	49.76	−5	49.42	−1
10	31.43	+14	14.29	− 1	56.29	+3	35.18	− 7	49.65	−4	49.66	−5
11	31.58	+12	13.97	+ 3	56.25	+4	34.88	− 4	49.54	−3	49.90	−8
12	31.73	+ 8	13.65	+ 7	56.21	+4	34.58	0	49.42	−1	50.14	−9
13	31.89	+ 3	13.33	+ 8	56.17	+4	34.28	+ 4	49.30	+1	50.37	−8
14	32.06	− 3	13.02	+ 8	56.14	+2	33.97	+ 7	49.18	+3	50.60	−6
15	32.24	− 8	12.70	+ 6	56.11	0	33.66	+ 8	49.06	+4	50.83	−3
16	32.42	−12	12.39	+ 3	56.08	−2	33.35	+ 8	48.94	+4	51.06	+1
17	32.61	−13	12.08	0	56.05	−3	33.04	+ 6	48.81	+4	51.28	+5
18	32.81	−12	11.77	− 4	56.02	−4	32.72	+ 3	48.69	+2	51.50	+8
19	33.02	− 6	11.46	− 6	55.99	−4	32.40	− 1	48.56	+1	51.71	+9
20	33.23	− 5	11.15	− 7	55.97	−4	32.08	− 4	48.43	−1	51.92	+9
21	33.45	0	10.84	− 7	55.95	−2	31.76	− 6	48.30	−2	52.12	+6
22	33.67	+ 5	10.54	− 4	55.93	−1	31.44	− 6	48.17	−2	52.32	+3
23	33.90	+ 8	10.24	− 1	55.92	+1	31.11	− 5	48.03	−3	52.52	−1
24	34.14	+ 9	9.93	+ 3	55.91	+2	30.78	− 3	47.89	−2	52.71	−5
25	34.39	+ 7	9.63	+ 6	55.90	+3	30.45	+ 1	47.75	−1	52.90	−7
26	34.64	+ 4	9.33	+ 8	55.89	+3	30.12	+ 4	47.61	+1	53.08	−8
27	34.90	0	9.04	+ 9	55.88	+3	29.79	+ 7	47.47	+2	53.26	−7
28	35.17	− 4	8.74	+ 8	55.87	+1	29.45	+ 8	47.33	+3	53.44	−5
29	35.44	− 8	8.45	+ 5	55.87	0	29.12	+ 8	47.18	+4	53.61	−2
30	35.72	− 9	8.15	+ 1	55.87	−2	28.78	+ 6	47.03	+3	53.78	+2
31	36.00	− 9	7.86	− 3	55.87	−3	28.45	+ 3	46.88	+2	53.94	+5
Aug. 1	36.29	− 6	7.57	− 7	55.88	−3	28.11	− 1	46.72	0	54.10	+8
2	36.59	− 2	7.28	− 9	55.89	−3	27.77	− 5	46.57	−2	54.25	+8
3	36.89	+ 3	7.00	−10	55.90	−2	27.43	− 8	46.42	−3	54.40	+7
4	37.20	+ 8	6.72	− 9	55.91	0	27.09	−10	46.26	−5	54.54	+4
5	37.51	+12	6.44	− 6	55.92	+1	26.75	−10	46.11	−5	54.68	0
6	37.83	+14	6.16	− 2	55.94	+3	26.41	− 9	45.95	−5	54.81	−4
7	38.16	+13	5.89	+ 2	55.96	+4	26.06	− 5	45.79	−4	54.94	−7
8	38.49	+10	5.62	+ 5	55.98	+4	25.71	− 1	45.63	−2	55.07	−9
9	38.83	+ 6	5.35	+ 8	56.00	+4	25.36	+ 3	45.47	0	55.19	−9
10	39.18	0	5.08	+ 8	56.03	+3	25.01	+ 6	45.31	+2	55.31	−7
sec δ, tg δ	+20.37		+20.35		+6.93		+6.86		+7.35		+7.28	

1914	δ Ursae minoris $4^m.3$. AR.	☾ Gl.	Dekl.	☾ Gl.	λ Ursae minoris $6^m.8$. AR.	☾ Gl.	Dekl.	☾ Gl.	76 Draconis $6^m.0$. AR.	☾ Gl.	Dekl.	☾ Gl.
	18^h0^m	in $0^s.01$	+86° 36′	in $0''.01$	19^h6^m	in $0^s.01$	+89° 0′	in $0''.01$	20^h48^m	in $0^s.01$	+82° 12′	in $0''.01$
Juli 4	9.97	+ 5	47.40	+5	39.30	+23	39.67	+ 4	56.38	+3	41.97	+ 2
5	9.81	+ 1	47.71	+8	39.09	+13	40.00	+ 8	56.44	+3	42.31	+ 6
6	9.65	− 3	48.02	+9	38.86	− 1	40.33	+ 9	56.49	+2	42.66	+ 9
7	9.48	− 7	48.32	+8	38.61	−16	40.66	+ 9	56.54	0	43.00	+10
8	9.31	−10	48.62	+5	38.34	−29	40.99	+ 7	56.59	−2	43.34	+10
9	9.13	−12	48.92	+2	38.05	−38	41.32	+ 4	56.64	−3	43.69	+ 8
10	8.94	−11	49.22	−2	37.73	−40	41.65	0	56.68	−5	44.03	+ 5
11	8.75	− 9	49.51	−6	37.39	−36	41.98	− 4	56.72	−5	44.38	0
12	8.56	− 5	49.80	−8	37.04	−25	42.31	− 7	56.75	−4	44.73	− 4
13	8.36	0	50.09	−9	36.67	− 9	42.64	− 8	56.79	−3	45.08	− 7
14	8.15	+ 4	50.38	−7	36.27	+ 7	42.97	− 8	56.82	−1	45.43	− 8
15	7.94	+ 8	50.67	−5	35.85	+22	43.30	− 6	56.85	+1	45.78	− 8
16	7.72	+10	50.95	−1	35.41	+32	43.62	− 3	56.88	+3	46.14	− 6
17	7.50	+10	51.23	+3	34.95	+36	43.95	+ 1	56.91	+4	46.49	− 3
18	7.27	+ 8	51.51	+6	34.47	+34	44.27	+ 4	56.93	+5	46.85	0
19	7.03	+ 5	51.79	+8	33.97	+26	44.59	+ 7	56.95	+4	47.21	+ 3
20	6.79	+ 1	52.07	+9	33.45	+13	44.91	+ 8	56.97	+3	47.57	+ 6
21	6.54	− 2	52.34	+7	32.91	− 1	45.23	+ 7	56.99	+1	47.93	+ 7
22	6.29	− 5	52.61	+4	32.35	−13	45.55	+ 5	57.00	0	48.30	+ 6
23	6.03	− 6	52.87	0	31.76	−20	45.87	+ 1	57.01	−2	48.66	+ 3
24	5.77	− 6	53.13	−4	31.16	−23	46.18	− 2	57.02	−3	49.02	0
25	5.51	− 4	53.39	−7	30.54	−19	46.50	− 6	57.02	−3	49.38	− 3
26	5.24	0	53.65	−9	29.91	−10	46.81	− 8	57.02	−3	49.75	− 6
27	4.96	+ 3	53.90	−9	29.25	+ 2	47.12	− 9	57.02	−1	50.12	− 8
28	4.68	+ 6	54.15	−7	28.57	+14	47.43	− 8	57.02	0	50.49	− 9
29	4.40	+ 8	54.40	−3	27.87	+23	47.74	− 5	57.01	+2	50.86	− 7
30	4.11	+ 8	54.64	0	27.15	+27	48.04	− 1	57.00	+3	51.23	− 4
31	3.81	+ 6	54.88	+4	26.41	+25	48.35	+ 3	56.99	+3	51.59	0
Aug. 1	3.51	+ 3	55.12	+7	25.66	+18	48.65	+ 6	56.98	+3	51.96	+ 4
2	3.20	− 1	55.35	+9	24.89	+ 5	48.95	+ 9	56.96	+2	52.32	+ 7
3	2.89	− 6	55.58	+8	24.10	−10	49.25	+10	56.94	+1	52.69	+10
4	2.58	− 9	55.81	+6	23.29	−24	49.54	+ 8	56.92	−1	53.06	+10
5	2.26	−12	56.03	+3	22.46	−35	49.83	+ 6	56.90	−3	53.42	+ 9
6	1.94	−12	56.25	−1	21.61	−40	50.12	+ 2	56.87	−4	53.79	+ 6
7	1.61	−10	56.47	−5	20.75	−39	50.41	− 2	56.84	−5	54.15	+ 2
8	1.28	− 7	56.68	−8	19.87	−30	50.70	− 6	56.81	−5	54.52	− 2
9	0.95	− 2	56.89	−9	18.97	−16	50.98	− 8	56.78	−3	54.89	− 5
10	0.61	+ 2	57.09	−8	18.05	0	51.26	− 9	56.74	−2	55.25	− 8
sec δ, tg δ	+16.93		+16.90		+58.03		+58.02		+7.38		+7.31	

1914	43 Hev. Cephei. $4^m.3$.				α Ursae minoris. $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in s 0.01	+85° 47′	in ″ 0.01	$1^h 29^m$	in s 0.01	+88° 50′	in ″ 0.01	$4^h 9^m$	in s 0.01	+85° 19′	in ″ 0.01
Aug. 10	53.98	−8	47.49	−1	8.12	−27	47.32	0	15.36	−5	38.26	+5
11	54.23	−6	47.75	−5	9.12	−23	47.54	−4	15.67	−7	38.24	+1
12	54.48	−3	48.01	−8	10.11	−14	47.76	−8	15.98	−6	38.23	−3
13	54.72	0	48.28	−9	11.09	−2	47.99	−9	16.29	−5	38.22	−7
14	54.96	+4	48.55	−9	12.07	+10	48.22	−9	16.60	−2	38.21	−9
15	55.20	+6	48.83	−7	13.04	+20	48.45	−7	16.91	0	38.21	−9
16	55.44	+7	49.11	−3	14.00	+25	48.69	−5	17.22	+3	38.22	−8
17	55.67	+7	49.39	0	14.95	+25	48.93	−1	17.54	+4	38.23	−5
18	55.90	+5	49.68	+3	15.89	+19	49.18	+2	17.85	+5	38.24	−1
19	56.13	+2	49.97	+5	16.82	+9	49.43	+5	18.17	+4	38.26	+2
20	56.36	−2	50.26	+6	17.74	−4	49.68	+6	18.48	+2	38.28	+6
21	56.58	−5	50.56	+5	18.66	−16	49.94	+5	18.80	−1	38.31	+7
22	56.80	−7	50.86	+3	19.57	−25	50.21	+4	19.11	−3	38.34	+8
23	57.01	−8	51.17	−1	20.47	−30	50.48	+1	19.43	−5	38.38	+6
24	57.22	−7	51.48	−4	21.36	−28	50.75	−2	19.74	−7	38.42	+3
25	57.43	−5	51.80	−6	22.23	−21	51.02	−5	20.06	−7	38.47	0
26	57.64	−2	52.11	−7	23.09	−9	51.30	−7	20.37	−5	38.52	−4
27	57.84	+2	52.43	−7	23.95	+4	51.58	−7	20.69	−2	38.58	−6
28	58.04	+5	52.75	−5	24.79	+17	51.87	−5	21.00	+1	38.64	−8
29	58.23	+8	53.07	−1	25.63	+27	52.16	−3	21.32	+4	38.70	−7
30	58.42	+8	53.40	+2	26.45	+31	52.45	+1	21.63	+7	38.77	−5
31	58.61	+7	53.73	+6	27.27	+30	52.75	+5	21.95	+8	38.85	−2
Sept. 1	58.80	+5	54.06	+9	28.08	+23	53.05	+8	22.26	+8	38.93	+2
2	58.98	+2	54.40	+11	28.87	+11	53.35	+10	22.58	+7	39.02	+6
3	59.16	−2	54.74	+10	29.65	−2	53.66	+10	22.89	+5	39.11	+8
4	59.33	−5	55.08	+8	30.42	−14	53.97	+9	23.21	+1	39.20	+9
5	59.50	−7	55.42	+5	31.18	−23	54.28	+6	23.52	−2	39.30	+9
6	59.67	−8	55.77	0	31.92	−27	54.60	+1	23.84	−5	39.40	+6
7	59.83	−6	56.12	−4	32.65	−25	54.92	−3	24.15	−6	39.51	+2
8	59.99	−4	56.47	−7	33.37	−18	55.24	−6	24.46	−6	39.62	−2
9	60.15	−1	56.82	−9	34.08	−7	55.56	−9	24.77	−6	39.74	−6
10	60.30	+2	57.18	−9	34.78	+5	55.89	−9	25.08	−3	39.86	−8
11	60.45	+5	57.53	−7	35.46	+16	56.22	−8	25.39	−1	39.98	−9
12	60.59	+7	57.89	−5	36.13	+23	56.56	−6	25.69	+2	40.11	−9
13	60.73	+7	58.25	−1	36.79	+25	56.89	−2	26.00	+4	40.24	−7
14	60.87	+6	58.62	+2	37.44	+22	57.23	+1	26.30	+5	40.38	−3
15	61.00	+3	58.98	+4	38.07	+13	57.57	+4	26.61	+4	40.52	+1
16	61.13	0	59.35	+6	38.69	+1	57.92	+6	26.91	+3	40.67	+4
sec δ, tg δ	+13.65		+13.61		+49.73		+49.72		+12.28		+12.24	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h 0^m$	in 0.01^s	+87° 10′	in 0.01″	$9^h 24^m$	in 0.01^s	+81° 42′	in 0.01″	$16^h 54^m$	in 0.01^s	+82° 10′	in 0.01″
Aug. 10	39.18	0	65.08	+ 8	56.03	+3	25.01	+ 6	45.31	+2	55.31	−7
11	39.53	− 6	64.82	+ 7	56.06 56.09	+1 −1	24.67 24.32	+ 8 + 8	45.15	+3	55.42	−4
12	39.89	−10	64.56	+ 5	56.12	−3	23.97	+ 7	44.98	+4	55.53	0
13	40.25	−13	64.30	+ 1	56.15	−4	23.62	+ 4	44.81	+4	55.63	+4
14	40.62	−13	64.04	− 2	56.19	−4	23.27	+ 1	44.64	+3	55.73	+7
15	40.99	−10	63.79	− 5	56.23	−4	22.92	− 3	44.47	+2	55.82	+9
16	41.36	− 7	63.54	− 7	56.27	−3	22.56	− 5	44.31	0	55.91	+9
17	41.74	− 2	63.29	− 7	56.31	−2	22.21	− 6	44.14	−1	55.99	+8
18	42.13	+ 3	63.04	− 5	56.35	0	21.86	− 6	43.97	−2	56.07	+4
19	42.52	+ 7	62.80	− 2	56.40	+2	21.51	− 4	43.80	−3	56.14	0
20	42.92	+ 8	62.56	+ 1	56.45	+3	21.16	− 1	43.63	−2	56.21	−3
21	43.32	+ 8	62.33	+ 5	56.51	+3	20.81	+ 3	43.45	−1	56.27	−6
22	43.73	+ 5	62.10	+ 8	56.56	+3	20.46	+ 6	43.28	0	56.33	−8
23	44.14	+ 2	61.87	+ 9	56.62	+2	20.11	+ 8	43.10	+2	56.39	−8
24	44.56	− 3	61.64	+ 8	56.68	0	19.76	+ 9	42.92	+3	56.44	−6
25	44.98	− 6	61.42	+ 6	56.74	−1	19.41	+ 8	42.75	+4	56.49	−3
26	45.41	− 9	61.20	+ 3	56.80	−3	19.06	+ 5	42.57	+4	56.53	+1
27	45.84	−10	60.99	− 1	56.86	−3	18.71	+ 1	42.39	+3	56.56	+4
28	46.27	− 8	60.78	− 5	56.93	−3	18.36	− 3	42.21	+1	56.59	+7
29	46.71	− 4	60.57	− 8	57.00	−3	18.01	− 7	42.03	−1	56.61	+8
30	47.15	+ 1	60.37	−10	57.07	−1	17.67	−10	41.85	−3	56.63	+7
31	47.60	+ 6	60.17	− 9	57.15	+1	17.33	−10	41.67	−4	56.64	+5
Sept. 1	48.05	+11	59.97	− 7	57.22	+2	16.99	− 9	41.49	−5	56.65	+2
2	48.51	+13	59.78	− 4	57.30	+4	16.65	− 7	41.31	−5	56.65	−2
3	48.97	+14	59.59	0	57.38	+4	16.31	− 3	41.13	−4	56.65	−6
4	49.43	+12	59.40	+ 4	57.46	+4	15.96	+ 1	40.95	−3	56.64	−8
5	49.90	+ 8	59.22	+ 7	57.54	+4	15.62	+ 5	40.77	−1	56.63	−9
6	50.37	+ 2	59.04	+ 8	57.62	+2	15.28	+ 7	40.58	+1	56.61	−8
7	50.84	− 3	58.86	+ 8	57.71	0	14.94	+ 8	40.40	+3	56.59	−6
8	51.32	− 9	58.69	+ 6	57.80	−2	14.61	+ 7	40.22	+4	56.56	−2
9	51.80	−12	58.52	+ 3	57.89	−3	14.28	+ 5	40.04	+4	56.53	+2
10	52.28	−13	58.36	− 1	57.98	−4	13.95	+ 2	39.86	+3	56.49	+6
11	52.77	−12	58.20	− 4	58.08	−4	13.62	− 1	39.68	+2	56.45	+8
12	53.26	− 8	58.05	− 7	58.18	−4	13.29	− 4	39.50	+1	56.40	+9
13	53.75	− 4	57.90	− 7	58.28	−2	12.96	− 6	39.32	−1	56.35	+8
14	54.25	+ 1	57.76	− 6	58.38	0	12.63	− 6	39.14	−2	56.29	+6
15	54.75	+ 5	57.62	− 4	58.48	+1	12.31	− 5	38.95	−3	56.23	+2
16	55.25	+ 8	57.48	0	58.59	+2	11.99	− 2	38.77	−2	56.16	−2
sec δ, tg δ	+20.35		+20.33		+6.93		+6.86		+7.35		+7.28	

1914	δ Ursae minoris $4^m.3$.				λ Ursae minoris $6^m.8$.				76 Draconis $6^m.0$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$	in ^{s} 0.01	+86° 36′	in $''$ 0.01	$19^h 5^m$	in ^{s} 0.01	+89° 0′	in $''$ 0.01	$20^h 48^m$	in ^{s} 0.01	+82° 12′	in $''$ 0.01
Aug. 10	60.61	+ 2	57.09	−8	78.05	0	51.26	−9	56.74	−2	55.25	− 8
11	60.27	+ 6	57.29	−6	77.12	+16	51.54	−7	56.70	0	55.62	− 8
12	59.92	+ 9	57.49	−2	76.17	+28	51.82	−4	56.66	+2	55.98	− 7
13	59.57	+10	57.68	+2	75.21	+35	52.09	−1	56.62	+4	56.34	− 4
14	59.22	+ 9	57.87	+5	74.23	+35	52.36	+3	56.57	+5	56.71	− 1
15	58.86	+ 7	58.06	+8	73.23	+29	52.62	+6	56.52	+4	57.07	+ 2
16	58.50	+ 3	58.24	+9	72.21	+18	52.89	+8	56.46	+4	57.43	+ 5
17	58.14	− 1	58.42	+8	71.18	+ 5	53.15	+8	56.41	+2	57.79	+ 7
18	57.77	− 4	58.59	+5	70.14	− 8	53.41	+6	56.35	0	58.15	+ 6
19	57.40	− 6	58.76	+2	69.08	−18	53.66	+3	56.29	−1	58.51	+ 4
20	57.02	− 6	58.93	−2	68.00	−22	53.91	−1	56.23	−3	58.86	+ 2
21	56.64	− 4	59.09	−6	66.91	−21	54.16	−5	56.17	−3	59.21	− 2
22	56.26	− 2	59.24	−8	65.81	−14	54.41	−7	56.10	−3	59.56	− 5
23	55.88	+ 2	59.39	−9	64.69	− 3	54.65	−9	56.03	−2	59.91	− 8
24	55.49	+ 5	59.54	−7	63.55	+ 9	54.89	−9	55.96	−1	60.26	− 9
25	55.10	+ 8	59.68	−5	62.40	+20	55.12	−7	55.88	+1	60.60	− 8
26	54.70	+ 8	59.82	−1	61.24	+27	55.35	−3	55.80	+2	60.94	− 6
27	54.30	+ 7	59.96	+3	60.06	+27	55.58	+1	55.72	+3	61.28	− 2
28	53.91	+ 5	60.09	+6	58.87	+22	55.80	+5	55.64	+3	61.62	+ 2
29	53.51	+ 1	60.22	+8	57.67	+11	56.02	+8	55.56	+3	61.96	+ 6
30	53.11	− 4	60.34	+9	56.46	− 4	56.24	+9	55.47	+2	62.30	+ 9
31	52.71	− 8	60.46	+7	55.23	−19	56.45	+9	55.38	0	62.63	+10
Sept. 1	52.30	−11	60.57	+4	53.99	−31	56.66	+7	55.29	−2	62.96	+10
2	51.89	−12	60.68	+1	52.74	−39	56.87	+3	55.20	−4	63.29	+ 7
3	51.48	−11	60.78	−3	51.47	−40	57.07	−1	55.11	−5	63.62	+ 4
4	51.07	− 8	60.88	−7	50.19	−35	57.27	−4	55.01	−5	63.95	0
5	50.65	− 4	60.97	−9	48.90	−23	57.46	−7	54.91	−4	64.27	− 4
6	50.23	0	61.06	−9	47.61	− 7	57.65	−8	54.81	−2	64.59	− 7
7	49.81	+ 5	61.14	−7	46.31	+ 9	57.84	−7	54.71	0	64.91	− 8
8	49.39	+ 8	61.22	−4	44.98	+23	58.02	−6	54.60	+2	65.22	− 7
9	48.97	+10	61.30	0	43.65	+33	58.20	−2	54.49	+3	65.53	− 5
10	48.55	+10	61.37	+4	42.31	+35	58.37	+1	54.38	+4	65.84	− 2
11	48.12	+ 8	61.43	+7	40.96	+32	58.54	+5	54.27	+5	66.15	+ 1
12	47.69	+ 4	61.49	+9	39.60	+23	58.71	+7	54.16	+4	66.45	+ 4
13	47.26	0	61.55	+8	38.23	+10	58.87	+8	54.04	+3	66.75	+ 6
14	46.83	− 3	61.60	+7	36.85	− 4	59.03	+7	53.92	+1	67.05	+ 7
15	46.40	− 5	61.64	+3	35.46	−15	59.18	+4	53.80	−1	67.35	+ 5
16	45.97	− 6	61.68	−1	34.07	−21	59.33	+1	53.68	−2	67.64	+ 3
sec δ, tg δ	+16.94		+16.91		+58.20		+58.19		+7.38		+7.32	

1914	43 Hev. Cephei $4^m.3$.				α Ursae minoris $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 57^m$	in s 0.01	+85° 47′	in ″ 0.01	$1^h 29^m$	in s 0.01	+88° 50′	in ″ 0.01	$4^h 9^m$	in s 0.01	+85° 19′	in ″ 0.01
Sept. 16	1.13	0	59.35	+ 6	38.69	+ 1	57.92	+ 6	26.91	+3	40.67	+4
17	1.26	−4	59.72	+ 5	39.29	−11	58.27	+ 6	27.21	0	40.82	+7
18	1.38	−7	60.09	+ 3	39.88	−22	58.62	+ 4	27.51	−2	40.98	+8
19	1.50	−8	60.46	+ 1	40.46	−29	58.97	+ 2	27.81	−5	41.14	+7
20	1.61	−8	60.83	− 3	41.02	−29	59.32	− 1	28.11	−6	41.30	+4
21	1.72	−6	61.20	− 5	41.57	−24	59.68	− 4	28.41	−7	41.47	+1
22	1.82	−3	61.58	− 7	42.11	−14	60.04	− 7	28.70	−6	41.64	−3
23	1.92	+1	61.96	− 7	42.63	− 1	60.40	− 7	28.99	−4	41.82	−6
24	2.01	+4	62.34	− 6	43.13	+12	60.76	− 6	29.28	−1	42.00	−7
25	2.10	+7	62.72	− 3	43.62	+24	61.12	− 4	29.57	+3	42.19	−8
26	2.19	+8	63.10	+ 1	44.10	+30	61.49	0	29.86	+6	42.38	−6
27	2.27	+8	63.48	+ 5	44.56	+31	61.86	+ 4	30.15	+8	42.57	−3
28	2.35	+6	63.87	+ 8	45.01	+26	62.23	+ 7	30.43	+9	42.77	+1
29	2.42	+3	64.25	+10	45.44	+16	62.60	+10	30.71	+8	42.97	+5
30	2.49	0	64.64	+10	45.86	+ 3	62.97	+10	30.99	+6	43.17	+8
Okt. 1	2.56	−4	65.02	+ 9	46.26	−10	63.34	+10	31.27	+3	43.38	+9
2	2.62	−6	65.41	+ 6	46.65	−20	63.72	+ 7	31.54	−1	43.59	+9
3	2.68	−8	65.79	+ 2	47.02	−26	64.09	+ 3	31.81	−3	43.81	+7
4	2.73	−7	66.18	− 2	47.37	−27	64.47	− 1	32.08	−6	44.03	+4
5	2.78	−5	66.56	− 6	47.71	−21	64.85	− 5	32.35	−6	44.25	0
6	2.82	−2	66.95	− 8	48.04	−12	65.23	− 8	32.62	−6	44.48	−4
7	2.86	+1	67.33	− 9	48.35	0	65.61	− 9	32.88	−4	44.71	−7
8	2.89	+4	67.72	− 8	48.64	+12	65.99	− 9	33.14	−2	44.95	−9
9	2.92	+7	68.11	− 6	48.91	+21	66.37	− 7	33.40	+1	45.19	−9
10	2.95	+7	68.50	− 3	49.17	+26	66.76	− 4	33.66	+3	45.43	−7
11	2.97	+6	68.89	+ 1	49.41	+24	67.14	0	33.92	+4	45.68	−4
12	2.99	+4	69.28	+ 4	49.64	+17	67.53	+ 3	34.17	+5	45.93	−1
13	3.00	+1	69.67	+ 5	49.85	+ 6	67.91	+ 5	34.42	+4	46.18	+3
14	3.01	−2	70.05	+ 5	50.04	− 7	68.30	+ 6	34.66	+1	46.44	+6
15	3.01	−6	70.44	+ 4	50.22	−18	68.68	+ 5	34.90	−1	46.70	+7
16	3.01	−8	70.82	+ 2	50.38	−27	69.07	+ 3	35.14	−4	46.96	+7
17	3.00	−8	71.20	− 1	50.52	−30	69.45	0	35.38	−6	47.22	+5
18	2.99	−7	71.58	− 4	50.65	−27	69.84	− 3	35.61	−7	47.49	+2
19	2.98	−4	71.97	− 7	50.76	−19	70.22	− 6	35.84	−7	47.76	−1
20	2.96	−1	72.35	− 7	50.85	− 7	70.61	− 7	36.07	−5	48.04	−5
21	2.94	+3	72.73	− 7	50.92	+ 7	71.00	− 7	36.29	−2	48.32	−7
22	2.91	+6	73.11	− 4	50.98	+19	71.39	− 5	36.51	+1	48.60	−8
23	2.88	+8	73.49	− 1	51.02	+28	71.77	− 2	36.73	+4	48.88	−7
sec δ, tg δ	+13.66		+13.62		+49.88		+49.87		+12.28		+12.24	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 0^m$	in 0.01^s	+87° 10′	in 0.01″	$9^h\ 24^m$	in 0.01^s	+81° 42′	in 0.01″	$16^h\ 54^m$	in 0.01^s	+82° 10′	in 0.01″
Sept. 16	55.25	+ 8	57.48	0	58.59	+2	11.99	− 2	38.77	−2	56.16	−2
17	55.75	+ 8	57.35	+ 4	58.70	+3	11.67	+ 1	38.59	−2	56.09	−5
18	56.26	+ 7	57.22	+ 7	58.81	+3	11.35	+ 5	38.41	0	56.01	−8
19	56.77	+ 3	57.09	+ 9	58.92	+2	11.04	+ 8	38.23	+1	55.93	−8
20	57.28	− 1	56.97	+ 9	59.03	+1	10.73	+ 9	38.05	+3	55.84	−7
21	57.79	− 5	56.85	+ 7	59.14	−1	10.42	+ 8	37.87	+4	55.75	−4
22	58.31	− 9	56.74	+ 4	59.26	−2	10.11	+ 6	37.69	+4	55.66	−1
23	58.82	−10	56.63	0	59.38	−3	9.81	+ 3	37.51	+3	55.56	+3
24	59.34	− 9	56.53	− 4	59.50	−3	9.51	− 2	37.33	+2	55.45	+6
25	59.86	− 6	56.43	− 7	59.62	−3	9.21	− 6	37.15	0	55.34	+8
26	60.39	− 1	56.34	− 9	59.75	−2	8.91	− 9	36.98	−2	55.22	+8
27	60.91	+ 4	56.25	−10	59.88	0	8.62	−10	36.80	−4	55.10	+6
28	61.44	+ 9	56.16	− 8	60.01	+2	8.33	−10	36.62	−5	54.97	+3
29	61.97	+13	56.08	− 5	60.13	+3	8.04	− 8	36.44	−5	54.84	−1
30	62.50	+14	56.01	− 1	60.26	+4	7.75	− 5	36.27	−5	54.70	−4
Okt. 1	63.03	+13	55.94	+ 2	60.39	+5	7.47	− 1	36.10	−3	54.56	−7
2	63.56	+10	55.87	+ 6	60.52	+4	7.19	+ 3	35.93	−2	54.42	−9
3	64.09	+ 5	55.81	+ 8	60.65	+3	6.92	+ 6	35.76	0	54.27	−9
4	64.62	− 1	55.75	+ 8	60.79	+1	6.65	+ 8	35.59	+2	54.11	−7
5	65.15	− 6	55.70	+ 7	60.93	−1	6.38	+ 8	35.42	+3	53.95	−4
6	65.69	−11	55.65	+ 4	61.07	−3	6.11	+ 6	35.26	+4	53.78	0
7	66.22	−13	55.61	0	61.21	−4	5.85	+ 3	35.09	+4	53.61	+4
8	66.76	−12	55.57	− 3	61.35	−4	5.59	0	34.92	+3	53.44	+8
9	67.29	− 9	55.54	− 6	61.50	−4	5.33	− 4	34.76	+1	53.26	+9
10	67.83	− 5	55.51	− 7	61.65	−3	5.08	− 6	34.59	0	53.08	+9
11	68.37	− 1	55.49	− 7	61.80	−1	4.83	− 6	34.43	−2	52.89	+7
12	68.91	+ 4	55.47	− 5	61.95	+1	4.58	− 5	34.27	−2	52.70	+4
13	69.45	+ 7	55.46	− 2	62.10	+2	4.34	− 3	34.11	−3	52.50	0
14	69.98	+ 8	55.45	+ 2	62.25	+3	4.10	0	33.95	−2	52.30	−4
15	70.52	+ 7	55.45	+ 6	62.40	+3	3.86	+ 4	33.79	−1	52.09	−7
16	71.05	+ 5	55.45	+ 8	62.55	+3	3.63	+ 7	33.64	+1	51.88	−8
17	71.59	0	55.45	+ 9	62.70	+1	3.40	+ 9	33.49	+2	51.66	−8
18	72.12	− 4	55.46	+ 8	62.86	0	3.18	+ 9	33.34	+3	51.44	−6
19	72.66	− 8	55.48	+ 6	63.02	−2	2.96	+ 7	33.19	+4	51.22	−2
20	73.19	−10	55.50	+ 2	63.18	−3	2.75	+ 4	33.04	+4	50.99	+2
21	73.72	−10	55.53	− 2	63.34	−3	2.54	0	32.89	+3	50.76	+5
22	74.25	− 7	55.56	− 6	63.50	−3	2.33	− 4	32.75	+1	50.52	+7
23	74.78	− 3	55.60	− 9	63.66	−2	2.13	− 8	32.61	−1	50.28	+8
sec δ, tg δ	+20.34		+20.32		+6.93		+6.86		+7.35		+7.28	

1914	δ Ursae minoris 4ᵐ.3.				λ Ursae minoris 6ᵐ.8.				76 Draconis 6ᵐ.0.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$	in ˢ 0.01	+86° 36′	in ″ 0.01	$19^h 4^m$	in ˢ 0.01	+89° 0′	in ″ 0.01	$20^h 48^m$	in ˢ 0.01	+82° 13′	in ″ 0.01
Sept. 16	ˢ 45.97	− 6	″ 61.68	−1	ˢ 94.07	−21	″ 59.33	+1	ˢ 53.68	−2	″ 7.64	+ 3
17	45.54	− 5	61.72	−4	92.67	−22	59.47	−3	53.56	−3	7.93	− 1
18	45.11	− 3	61.75	−7	91.25	−17	59.61	−7	53.44	−3	8.21	− 4
19	44.67	+ 1	61.78	−9	89.83	− 7	59.75	−8	53.31	−2	8.49	− 7
20	44.24	+ 4	61.80	−8	88.40	+ 5	59.88	−9	53.18	−1	8.77	− 9
21	43.80	+ 7	61.82	−6	86.97	+17	60.01	−8	53.05	0	9.04	− 9
22	43.37	+ 9	61.83	−3	85.53	+25	60.13	−5	52.92	+2	9.31	− 7
23	42.93	+ 8	61.83	+1	84.08	+28	60.25	−1	52.79	+3	9.58	− 4
24	42.50	+ 6	61.83	+5	82.63	+25	60.36	+3	52.65	+3	9.84	+ 1
25	42.06	+ 3	61.83	+8	81.17	+16	60.47	+7	52.51	+3	10.10	+ 5
26	41.63	− 2	61.82	+9	79.71	+ 2	60.57	+9	52.37	+2	10.36	+ 8
27	41.19	− 6	61.81	+8	78.24	−13	60.67	+9	52.23	0	10.61	+10
28	40.75	−10	61.79	+6	76.77	−27	60.76	+8	52.09	−2	10.86	+10
29	40.31	−12	61.77	+2	75.29	−37	60.85	+5	51.95	−3	11.10	+ 8
30	39.88	−12	61.74	−2	73.81	−41	60.93	+1	51.80	−4	11.34	+ 5
Okt. 1	39.44	−10	61.71	−5	72.32	−38	61.01	−3	51.65	−5	11.57	+ 1
2	39.01	− 6	61.67	−8	70.83	−28	61.08	−6	51.50	−4	11.80	− 3
3	38.57	− 2	61.63	−9	69.34	−14	61.15	−8	51.35	−3	12.03	− 6
4	38.14	+ 3	61.58	−8	67.84	+ 2	61.22	−8	51.20	−1	12.25	− 8
5	37.71	+ 7	61.53	−5	66.34	+18	61.28	−7	51.05	+1	12.47	− 8
6	37.28	+ 9	61.47	−2	64.84	+29	61.33	−4	50.90	+3	12.68	− 6
7	36.85	+10	61.41	+2	63.34	+35	61.38	0	50.74	+4	12.89	− 4
8	36.42	+ 8	61.34	+6	61.83	+34	61.42	+4	50.59	+4	13.09	0
9	35.99	+ 6	61.26	+8	60.32	+26	61.46	+7	50.43	+4	13.29	+ 3
10	35.56	+ 2	61.18	+9	58.81	+15	61.50	+8	50.27	+3	13.49	+ 6
11	35.14	− 2	61.10	+7	57.30	+ 1	61.53	+8	50.11	+2	13.68	+ 7
12	34.71	− 5	61.01	+5	55.80	−11	61.55	+6	49.95	0	13.87	+ 6
13	34.29	− 6	60.92	+1	54.29	−19	61.57	+2	49.79	−2	14.05	+ 4
14	33.87	− 6	60.82	−3	52.78	−22	61.59	−2	49.63	−3	14.22	+ 1
15	33.45	− 4	60.72	−6	51.27	−19	61.60	−5	49.46	−3	14.39	− 3
16	33.03	− 1	60.61	−8	49.76	−11	61.60	−8	49.30	−3	14.56	− 6
17	32.62	+ 3	60.50	−9	48.25	+ 1	61.60	−9	49.14	−2	14.72	− 8
18	32.21	+ 6	60.38	−7	46.75	+13	61.59	−8	48.98	0	14.88	− 9
19	31.80	+ 8	60.26	−4	45.24	+23	61.58	−6	48.81	+1	15.03	− 8
20	31.39	+ 9	60.13	0	43.74	+28	61.56	−2	48.64	+3	15.17	− 5
21	30.99	+ 7	60.00	+4	42.24	+28	61.54	+2	48.47	+3	15.31	− 1
22	30.59	+ 4	59.86	+7	40.75	+21	61.51	+6	48.30	+3	15.45	+ 3
23	30.18	0	59.72	+9	39.26	+ 8	61.48	+8	48.13	+3	15.58	+ 7
sec δ, tg δ	+16.94		+16.91		+58.29		+58.28		+7.39		+7.32	

1914	43 Hev. Cephei $4^m.3$.				α Ursae minoris $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in ^{s} 0.01	+85° 48′	in ″ 0.01	$1^h 29^m$	in ^{s} 0.01	+88° 51′	in ″ 0.01	$4^h 9^m$	in ^{s} 0.01	+85° 19′	in ″ 0.01
Okt. 23	62.88	+8	13.49	− 1	51.02	+28	11.77	− 2	36.73	+4	48.88	− 7
24	62.84	+8	13.87	+ 3	51.05	+31	12.16	+ 2	36.94	+7	49.17	− 4
25	62.80	+7	14.25	+ 7	51.06	+29	12.54	+ 6	37.15	+9	49.46	− 1
26	62.75	+5	14.62	+ 9	51.05	+21	12.93	+ 9	37.35	+8	49.75	+ 3
27	62.70	+1	14.99	+11	51.02	+ 9	13.31	+10	37.56	+7	50.05	+ 7
28	62.64	−2	15.36	+10	50.97	− 5	13.69	+10	37.76	+4	50.35	+ 9
29	62.58	−5	15.73	+ 7	50.91	−16	14.07	+ 8	37.96	+1	50.65	+10
30	62.51	−7	16.10	+ 4	50.83	−24	14.45	+ 5	38.15	−2	50.95	+ 8
31	62.44	−7	16.46	0	50.73	−27	14.83	+ 1	38.34	−5	51.25	+ 6
Nov. 1	62.37	−6	16.82	− 4	50.62	−24	15.21	− 3	38.52	−6	51.56	+ 2
2	62.29	−3	17.18	− 7	50.49	−16	15.59	− 7	38.70	−6	51.87	− 2
3	62.21	0	17.54	− 9	50.33	− 4	15.96	− 9	38.88	−5	52.18	− 6
4	62.12	+3	17.90	− 9	50.16	+ 8	16.34	− 9	39.05	−3	52.49	− 9
5	62.03	+6	18.25	− 7	49.98	+18	16.71	− 8	39.22	0	52.81	− 9
6	61.93	+7	18.61	− 4	49.78	+24	17.08	− 5	39.38	+2	53.13	− 8
7	61.83	+7	18.96	0	49.56	+25	17.45	− 1	39.54	+4	53.45	− 6
8	61.72	+5	19.31	+ 3	49.32	+20	17.82	+ 2	39.70	+5	53.77	− 2
9	61.61	+2	19.65	+ 5	49.07	+11	18.18	+ 4	39.85	+4	54.10	+ 2
10	61.50	−1	19.99	+ 6	48.80	− 2	18.55	+ 6	40.00	+2	54.42	+ 5
11	61.38	−4	20.33	+ 5	48.50	−14	18.91	+ 5	40.15	0	54.75	+ 7
12	61.26	−7	20.67	+ 3	48.19	−24	19.27	+ 4	40.29	−3	55.08	+ 8
13	61.13	−8	21.00	0	47.87	−30	19.63	+ 1	40.42	−5	55.41	+ 6
14	61.00	−8	21.33	− 3	47.53	−29	19.98	− 2	40.55	−7	55.74	+ 4
15	60.87	−6	21.65	− 6	47.17	−23	20.33	− 5	40.68	−7	56.07	0
16	60.73	−2	21.97	− 7	46.80	−12	20.68	− 7	40.80	−6	56.40	− 4
17	60.59	+1	22.29	− 7	46.41	+ 1	21.03	− 7	40.92	−3	56.74	− 6
18	60.44	+5	22.61	− 6	46.00	+15	21.37	− 6	41.03	0	57.07	− 8
19	60.28	+7	22.92	− 2	45.57	+25	21.71	− 3	41.14	+3	57.41	− 7
20	60.12	+8	23.23	+ 1	45.13	+31	22.05	0	41.24	+6	57.75	− 6
21	59.96	+8	23.54	+ 5	44.67	+31	22.39	+ 4	41.34	+8	58.09	− 2
22	59.80	+6	23.84	+ 9	44.19	+24	22.72	+ 8	41.44	+8	58.43	+ 2
23	59.63	+3	24.14	+10	43.70	+14	23.05	+10	41.53	+8	58.77	+ 5
24	59.46	−1	24.43	+10	43.19	+ 1	23.38	+11	41.62	+5	59.11	+ 8
25	59.28	−4	24.72	+ 9	42.66	−12	23.70	+ 9	41.70	+2	59.45	+10
26	59.10	−7	25.00	+ 6	42.12	−22	24.02	+ 6	41.77	−1	59.79	+ 9
27	58.92	−8	25.28	+ 2	41.56	−27	24.33	+ 3	41.84	−4	60.13	+ 7
28	58.73	−7	25.56	− 2	40.98	−26	24.64	− 1	41.91	−6	60.47	+ 3
29	58.54	−5	25.83	− 6	40.39	−19	24.95	− 5	41.97	−6	60.81	− 1
sec δ, tg δ	+13.67		+13.64		+50.05		+50.04		+12.29		+12.25	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h\ 1^m$	in 0.01^s	+87° 10′	in 0.01″	$9^h\ 25^m$	in 0.01^s	+81° 41′	in 0.01″	$16^h\ 54^m$	in 0.01^s	82° 10′	in 0.01″
Okt. 23	14.78	− 3	55.60	− 9	3.66	−2	62.13	− 8	32.61	−1	50.28	+8
24	15.31	+ 2	55.64	−10	3.82	−1	61.93	−10	32.47	−3	50.03	+7
25	15.84	+ 7	55.68	− 9	3.99	+1	61.74	−10	32.33	−4	49.78	+5
26	16.36	+11	55.73	− 7	4.16	+3	61.55	− 9	32.19	−5	49.53	+1
27	16.88	+14	55.78	− 3	4.33	+4	61.37	− 6	32.05	−5	49.28	−3
28	17.40	+14	55.84	+ 1	4.49	+4	61.19	− 2	31.92	−4	49.02	−6
29	17.92	+11	55.91	+ 5	4.66	+4	61.01	+ 2	31.79	−2	48.76	−9
30	18.44	+ 7	55.98	+ 7	4.83	+3	60.84	+ 5	31.66	0	48.49	−9
31	18.96	+ 1	56.06	+ 8	5.00	+2	60.68	+ 7	31.53	+1	48.22	−8
Nov. 1	19.47	− 4	56.14	+ 7	5.17	0	60.52	+ 8	31.41	+3	47.95	−5
2	19.98	− 9	56.22	+ 5	5.34	−2	60.37	+ 7	31.29	+4	47.67	−1
3	20.49	−12	56.31	+ 2	5.51	−3	60.22	+ 4	31.17	+4	47.39	+3
4	20.99	−12	56.41	− 2	5.69	−4	60.07	+ 1	31.05	+3	47.11	+6
5	21.49	−11	56.51	− 5	5.86	−4	59.93	− 2	30.93	+2	46.82	+9
6	21.99	− 7	56.62	− 7	6.03	−3	59.80	− 5	30.81	0	46.53	+9
7	22.49	− 2	56.73	− 7	6.21	−2	59.67	− 6	30.70	−1	46.24	+8
8	22.99	+ 2	56.85	− 6	6.38	0	59.55	− 6	30.59	−2	45.94	+5
9	23.48	+ 6	56.97	− 3	6.56	+1	59.43	− 4	30.48	−3	45.64	+1
10	23.97	+ 8	57.09	+ 1	6.74	+3	59.31	− 1	30.38	−2	45.33	−3
11	24.45	+ 8	57.22	+ 4	6.92	+3	59.20	+ 2	30.28	−1	45.02	−6
12	24.93	+ 6	57.35	+ 7	7.09	+3	59.09	+ 6	30.18	0	44.71	−8
13	25.40	+ 2	57.49	+ 9	7.27	+2	58.99	+ 8	30.08	+2	44.39	−8
14	25.87	− 2	57.63	+ 9	7.45	0	58.89	+ 9	29.99	+3	44.07	−7
15	26.34	− 6	57.78	+ 7	7.63	−1	58.80	+ 8	29.89	+4	43.75	−4
16	26.80	− 9	57.93	+ 4	7.81	−2	58.71	+ 6	29.80	+4	43.43	0
17	27.26	−10	58.09	0	7.98	−3	58.63	+ 2	29.71	+3	43.11	+4
18	27.72	− 9	58.25	− 4	8.16	−4	58.55	− 2	29.63	+2	42.78	+7
19	28.17	− 5	58.42	− 8	8.34	−3	58.49	− 6	29.55	0	42.45	+8
20	28.61	0	58.59	−10	8.52	−1	58.43	− 9	29.48	−2	42.12	+8
21	29.05	+ 5	58.77	−10	8.70	0	58.37	−10	29.40	−4	41.79	+6
22	29.49	+10	58.95	− 8	8.87	+2	58.32	−10	29.33	−5	41.45	+3
23	29.92	+13	59.13	− 4	9.05	+3	58.28	− 8	29.26	−5	41.11	−1
24	30.35	+14	59.32	− 1	9.23	+4	58.24	− 4	29.19	−4	40.77	−5
25	30.77	+13	59.51	+ 3	9.41	+5	58.20	0	29.12	−3	40.42	−8
26	31.18	+ 9	59.71	+ 6	9.59	+4	58.17	+ 4	29.06	−1	40.08	−9
27	31.59	+ 4	59.92	+ 8	9.76	+2	58.14	+ 7	29.00	+1	39.73	−9
28	31.99	− 2	60.13	+ 8	9.94	+1	58.12	+ 8	28.95	+2	39.38	−6
29	32.39	− 7	60.34	+ 6	10.12	−1	58.12	+ 7	28.90	+3	39.04	−3
sec δ, tg δ	+20.34		+20.32		+6.93		+6.85		+7.35		+7.28	

1914	δ Ursae minoris 4ᵐ.3.				λ Ursae minoris 6ᵐ.8.				76 Draconis 6ᵐ.0.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$ s	in s 0.01	+86° 36′ ″	in ″ 0.01	$19^h 3^m$ s	in s 0.01	+89° 0′ ″	in ″ 0.01	$20^h 48^m$ s	in s 0.01	+82° 13′ ″	in ″ 0.01
Okt. 23	30.18	0	59.72	+9	99.26	+ 8	61.48	+8	48.13	+3	15.58	+ 7
24	29.78	− 5	59.58	+9	97.77	− 7	61.44	+9	47.96	+1	15.71	+ 9
25	29.38	− 9	59.43	+7	96.29	−22	61.40	+9	47.79	−1	15.83	+10
26	28.99	−11	59.27	+4	94.81	−34	61.35	+6	47.62	−3	15.95	+ 9
27	28.60	−12	59.11	0	93.34	−40	61.30	+3	47.45	−4	16.06	+ 7
28	28.21	−11	58.94	−4	91.87	−40	61.24	−1	47.28	−5	16.16	+ 3
29	27.83	− 8	58.77	−7	90.41	−33	61.18	−5	47.11	−5	16.26	− 1
30	27.45	− 4	58.60	−9	88.95	−21	61.11	−7	46.93	−4	16.35	− 5
31	27.08	+ 1	58.42	−8	87.50	− 5	61.03	−8	46.76	−2	16.44	− 7
Nov. 1	26.71	+ 5	58.24	−6	86.05	+11	60.95	−7	46.59	0	16.52	− 8
2	26.34	+ 8	58.05	−3	84.62	+25	60.87	−5	46.41	+2	16.60	− 7
3	25.97	+ 9	57.86	+1	83.19	+33	60.78	−1	46.24	+4	16.67	− 5
4	25.61	+ 9	57.66	+5	81.77	+34	60.68	+2	46.06	+4	16.74	− 1
5	25.25	+ 7	57.46	+8	80.35	+30	60.58	+6	45.89	+4	16.80	+ 2
6	24.90	+ 3	57.25	+9	78.95	+19	60.47	+7	45.72	+4	16.85	+ 5
7	24.55	0	57.04	+8	77.55	+ 6	60.36	+8	45.54	+2	16.90	+ 7
8	24.21	− 4	56.83	+6	76.16	− 6	60.25	+7	45.37	0	16.94	+ 7
9	23.87	− 6	56.61	+3	74.78	−16	60.13	+4	45.19	−1	16.98	+ 5
10	23.53	− 6	56.39	−1	73.41	−21	60.01	0	45.02	−2	17.01	+ 2
11	23.20	− 5	56.16	−5	72.05	−21	59.88	−4	44.85	−3	17.03	− 1
12	22.87	− 2	55.93	−8	70.70	−14	59.75	−7	44.67	−3	17.05	− 5
13	22.55	+ 1	55.70	−9	69.37	− 4	59.61	−9	44.50	−2	17.07	− 8
14	22.23	+ 5	55.46	−8	68.05	+ 9	59.46	−9	44.32	−1	17.08	− 9
15	21.92	+ 8	55.22	−5	66.73	+20	59.31	−7	44.15	+1	17.08	− 9
16	21.61	+ 9	54.97	−2	65.43	+28	59.16	−4	43.98	+2	17.08	− 6
17	21.31	+ 8	54.72	+2	64.14	+29	59.00	0	43.81	+3	17.07	− 3
18	21.01	+ 6	54.46	+6	62.86	+25	58.83	+4	43.64	+4	17.05	+ 1
19	20.72	+ 2	54.20	+8	61.60	+14	58.66	+7	43.47	+3	17.03	+ 5
20	20.43	− 3	53.94	+9	60.35	0	58.49	+9	43.30	+2	17.00	+ 8
21	20.15	− 7	53.68	+8	59.11	−15	58.31	+9	43.13	0	16.97	+10
22	19.87	−10	53.41	+5	57.89	−29	58.13	+7	42.96	−2	16.93	+10
23	19.60	−12	53.14	+1	56.69	−38	57.94	+4	42.79	−4	16.88	+ 8
24	19.34	−12	52.86	−3	55.50	−41	57.75	0	42.62	−5	16.83	+ 5
25	19.08	− 9	52.58	−6	54.32	−37	57.55	−4	42.45	−5	16.77	0
26	18.83	− 6	52.30	−8	53.16	−26	57.34	−7	42.28	−4	16.71	− 3
27	18.58	− 1	52.02	−9	52.02	−12	57.14	−8	42.12	−3	16.64	− 6
28	18.33	+ 3	51.73	−7	50.89	+ 5	56.93	−8	41.96	−1	16.57	− 8
29	18.09	+ 7	51.44	−5	49.78	+19	56.72	−6	41.80	+1	16.49	− 8
sec δ, tg δ	+16.94		+16.91		+58.27		+58.26		+7.39		+7.32	

1914	43 Hev. Cephei. $4^m.3$.				α Ursae minoris. $2^m.0$.				Gr. 750 $6^m.8$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$0^h 56^m$	in 0.01 s	+85° 48′	in 0.01 ″	$1^h 29^m$	in 0.01 s	+88° 51′	in 0.01 ″	$4^h 9^m$	in 0.01 s	+85° 20′	in 0.01 ″
Nov. 29	58.54	—5	25.83	— 6	40.39	—19	24.95	— 5	41.97	—6	0.81	— 1
30	58.35	—1	26.10	— 8	39.79	— 9	25.26	— 8	42.03	—6	1.15	— 5
Dez. 1	58.15	+2	26.36	— 9	39.17	+ 3	25.56	— 9	42.08	—4	1.50	— 8
2	57.95	+5	26.62	— 8	38.53	+15	25.86	— 8	42.13	—1	1.84	— 9
3	57.74	+7	26.87	— 5	37.88	+23	26.15	— 6	42.17	+2	2.18	— 9
4	57.53	+7	27.12	— 2	37.21	+26	26.44	— 3	42.20	+4	2.52	— 7
5	57.32	+6	27.36	+ 1	36.53	+23	26.72	+ 1	42.23	+5	2.86	— 4
6	57.10	+4	27.60	+ 4	35.83	+15	27.00	+ 4	42.26	+4	3.20	0
7	56.88	0	27.84	+ 5	35.12	+ 4	27.27	+ 5	42.28	+3	3.54	+ 4
8	56.66	—3	28.07	+ 5	34.40	— 9	27.54	+ 6	42.30	+1	3.88	+ 6
9	56.43	—6	28.29	+ 4	33.66	—21	27.80	+ 4	42.31	—2	4.22	+ 7
10	56.20	—8	28.50	+ 1	32.91	—28	28.06	+ 2	42.31	—5	4.56	+ 7
11	55.97	—8	28.71	— 2	32.14	—30	28.32	— 1	42.30	—6	4.90	+ 5
12	55.74	—7	28.92	— 5	31.36	—26	28.57	— 4	42.30	—7	5.23	+ 1
13	55.50	—4	29.12	— 7	30.57	—17	28.82	— 7	42.30	—6	5.56	— 2
14	55.26	0	29.32	— 8	29.76	— 4	29.06	— 8	42.29	—4	5.89	— 5
15	55.02	+3	29.51	— 7	28.94	+ 9	29.29	— 7	42.27	—1	6.22	— 7
16	54.78	+6	29.69	— 4	28.11	+21	29.52	— 5	42.25	+2	6.55	— 8
17	54.53	+8	29.87	0	27.27	+29	29.75	— 1	42.22	+5	6.87	— 7
18	54.28	+8	30.04	+ 4	26.41	+31	29.97	+ 3	42.18	+7	7.20	— 4
19	54.03	+7	30.21	+ 7	25.54	+27	30.18	+ 6	42.14	+8	7.52	0
20	53.77	+4	30.37	+10	24.66	+18	30.39	+ 9	42.10	+8	7.84	+ 4
21	53.51	0	30.53	+11	23.78	+ 6	30.59	+11	42.05	+6	8.16	+ 7
22	53.25	—3	30.68	+10	22.88	— 7	30.79	+10	42.00	+3	8.48	+ 9
23	52.99	—6	30.82	+ 7	21.96	—18	30.98	+ 8	41.94	0	8.79	+10
24	52.73	—7	30.96	+ 3	21.04	—25	31.17	+ 4	41.87	—3	9.10	+ 8
25	52.46	—7	31.09	— 1	20.11	—27	31.35	0	41.80	—5	9.41	+ 5
26	52.19	—5	31.21	— 5	19.17	—22	31.52	— 4	41.73	—6	9.72	+ 1
27	51.92	—3	31.33	— 7	18.22	—13	31.69	— 7	41.65	—6	10.02	— 3
28	51.65	+1	31.44	— 9	17.26	— 1	31.85	— 9	41.57	—4	10.32	— 7
29	51.38	+4	31.55	— 8	16.30	+11	32.01	— 9	41.48	—2	10.61	— 9
30	51.10	+6	31.65	— 6	15.32	+20	32.16	— 7	41.39	+1	10.90	— 9
31	50.83	+7	31.74	— 3	14.34	+25	32.30	— 4	41.29	+3	11.19	— 8
32	50.55	+7	31.83	0	13.35	+25	32.44	— 1	41.19	+4	11.48	— 5
sec δ, tg δ	+13.68		+13.64		+50.18		+50.17		+12.30		+12.26	

1914	51 Hev. Cephei $5^m.2$.				1 Hev. Draconis $4^m.3$.				ε Ursae minoris $4^m.2$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$7^h 1^m$	in s 0.01	+87° 11′	in ″ 0.01	$9^h 25^m$	in s 0.01	+81° 41′	in ″ 0.01	$16^h 54^m$	in s 0.01	+82° 10′	in ″ 0.01
Nov. 29	32.39	− 7	0.34	+ 6	10.12	−1	58.12	+ 7	28.90	+3	39.04	−3
30	32.78	−11	0.55	+ 3	10.30	−3	58.12	+ 5	28.85	+4	38.69	+1
Dez. 1	33.17	−12	0.77	− 1	10.47	−4	58.12	+ 2	28.80	+3	38.34	+5
2	33.55	−12	0.99	− 4	10.65	−4	58.13	− 1	28.76	+2	37.99	+8
3	33.92	− 9	1.22	− 6	10.82	−4	58.14	− 4	28.72	+1	37.63	+9
4	34.29	− 4	1.45	− 7	11.00	−2	58.16	− 6	28.68	−1	37.27	+9
5	34.65	0	1.69	− 7	11.17	−1	58.18	− 6	28.64	−2	36.91	+6
6	35.00	+ 5	1.93	− 4	11.34	+1	58.21	− 5	28.61	−3	36.55	+3
7	35.35	+ 7	2.17	− 1	11.51	+2	58.25	− 2	{28.58 28.56	−2 −2	36.19 35.83	−1 −5
8	35.69	+ 8	2.41	+ 3	11.68	+3	58.29	+ 1	28.54	0	35.47	−7
9	36.03	+ 7	2.66	+ 6	11.85	+3	58.34	+ 5	28.52	+1	35.11	−8
10	36.36	+ 4	2.91	+ 9	12.02	+2	58.39	+ 7	28.50	+3	34.75	−7
11	36.68	− 1	3.17	+ 9	12.19	+1	58.45	+ 9	28.49	+4	34.39	−5
12	36.99	− 5	3.43	+ 8	12.36	0	58.52	+ 9	28.48	+4	34.03	−1
13	37.29	− 8	3.69	+ 5	12.53	−2	58.59	+ 7	28.47	+4	33.67	+2
14	37.59	−10	3.95	+ 1	12.69	−3	58.66	+ 4	28.47	+3	33.31	+6
15	37.88	−10	4.22	− 3	12.85	−4	58.74	0	28.47	+1	32.95	+8
16	38.16	− 7	4.49	− 7	13.01	−3	58.83	− 5	28.47	−1	32.59	+8
17	38.44	− 2	4.77	− 9	13.17	−2	58.92	− 8	28.48	−3	32.23	+7
18	38.71	+ 3	5.05	−10	13.33	−1	59.02	−10	28.49	−5	31.87	+4
19	38.97	+ 8	5.33	− 9	13.49	+1	59.12	−10	28.50	−5	31.52	0
20	39.22	+12	5.61	− 6	13.65	+3	59.23	− 9	28.51	−5	31.17	−4
21	39.46	+14	5.90	− 2	13.80	+4	59.35	− 6	28.53	−4	30.82	−7
22	39.69	+14	6.19	+ 2	13.96	+5	59.47	− 2	28.55	−2	30.46	−9
23	39.92	+11	6.48	+ 5	14.11	+4	59.60	+ 2	28.57	0	30.11	−9
24	40.14	+ 6	6.77	+ 7	14.26	+3	59.73	+ 5	28.60	+2	29.76	−7
25	40.35	− 1	7.07	+ 8	14.41	+1	59.87	+ 7	28.63	+3	29.41	−4
26	40.55	− 5	7.36	+ 7	14.56	−1	60.01	+ 8	28.66	+4	29.06	0
27	40.75	− 9	7.66	+ 4	14.70	−2	60.16	+ 6	28.70	+4	28.71	+3
28	40.94	−12	7.96	+ 1	14.84	−4	60.31	+ 3	28.74	+3	28.36	+7
29	41.11	−12	8.26	− 3	14.98	−4	60.47	0	28.78	+1	28.02	+9
30	41.28	−10	8.56	− 6	15.12	−4	60.63	− 3	28.83	0	27.68	+9
31	41.44	− 6	8.87	− 7	15.26	−3	60.80	− 5	28.88	−1	27.34	+7
32	41.59	− 1	9.18	− 7	15.39	−1	60.97	− 6	28.93	−2	27.00	+4
sec δ, tg δ	+20.36		+20.33		+6.93		+6.85		+7.35		+7.28	

1914	δ Ursae minoris $4^m.3$				λ Ursae minoris $6^m.8$				76 Draconis $6^m.0$			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$17^h 59^m$	in s 0.01	+86° 36′	in ″ 0.01	$19^h 3^m$	in s 0.01	+89° 0′	in ″ 0.01	$20^h 48^m$	in s 0.01	+82° 13′	in ″ 0.01
Nov. 29	18.09	+ 7	51.44	−5	49.78	+19	56.72	−6	41.80	+1	16.49	− 8
30	17.87	+ 9	51.14	−1	48.68	+30	56.50	−3	41.64	+3	16.41	− 6
Dez. 1	17.65	+ 9	50.84	+3	47.60	+34	56.27	+1	41.48	+4	16.32	− 3
2	17.43	+ 8	50.54	+6	46.54	+32	56.04	+4	41.32	+5	16.22	+ 1
3	17.22	+ 5	50.24	+9	45.50	+24	55.81	+7	41.16	+4	16.12	+ 4
4	17.02	+ 1	49.93	+9	44.47	+12	55.58	+8	41.01	+3	16.01	+ 6
5	16.82	− 2	49.62	+7	43.46	− 2	55.34	+7	40.85	+1	15.90	+ 7
6	16.63	− 5	49.31	+4	42.48	−13	55.10	+5	40.69	0	15.78	+ 6
7	16.44	− 6	49.00	0	41.51	−20	54.85	+1	40.54	−2	15.65	+ 3
8	16.26	− 5	48.68	−4	40.56	−21	54.60	−2	40.39	−3	15.52	0
9	16.09	− 3	48.37	−7	39.63	−17	54.34	−6	40.24	−3	15.39	− 4
10	15.92	0	48.05	−9	38.73	− 8	54.08	−8	40.09	−3	15.25	− 7
11	15.76	+ 4	47.73	−9	37.84	+ 5	53.82	−9	39.94	−1	15.10	− 9
12	15.61	+ 7	47.40	−7	36.98	+16	53.56	−8	39.79	0	14.94	− 9
13	15.47	+ 9	47.08	−4	36.13	+26	53.29	−5	39.65	+2	14.78	− 7
14	15.33	+ 9	46.75	0	35.30	+30	53.02	−1	39.51	+3	14.62	− 5
15	15.20	+ 7	46.42	+4	34.50	+28	52.74	+3	39.37	+4	14.45	− 1
16	15.08	+ 4	46.09	+7	33.72	+19	52.46	+6	39.23	+3	14.27	+ 4
17	14.96	− 1	45.76	+9	32.96	+ 6	52.18	+9	39.09	+2	14.09	+ 7
18	14.85	− 5	45.43	+8	32.22	− 9	51.90	+9	38.96	+1	13.91	+ 9
19	14.75	− 9	45.10	+6	31.50	−24	51.61	+8	38.83	−1	13.72	+10
20	14.65	−12	44.76	+3	30.81	−35	51.32	+6	38.70	−3	13.52	+ 9
21	14.56	−12	44.43	−1	30.14	−41	51.03	+2	38.57	−4	13.32	+ 6
22	14.48 14.41	−11 − 7	44.09 43.76	−5 −8	29.49	−40	50.73	−2	38.44	−5	13.11	+ 2
23	14.34	− 3	43.42	−9	28.87	−32	50.43	−6	38.32	−5	12.90	− 2
24	14.28	+ 2	43.08	−8	28.27	−18	50.13	−8	38.20	−4	12.69	− 5
25	14.23	+ 6	42.74	−6	27.69	− 2	49.83	−8	38.08	−2	12.47	− 7
26	14.19	+ 8	42.41	−2	27.14	+13	49.53	−7	37.96	0	12.25	− 8
27	14.15	+ 9	42.07	+2	26.61	+26	49.22	−4	37.84	+2	12.03	− 7
28	14.12	+ 8	41.73	+5	26.11	+33	48.91	0	37.73	+4	11.80	− 4
29	14.10	+ 6	41.39	+8	25.63	+33	48.60	+3	37.62	+4	11.56	0
30	14.09	+ 2	41.05	+9	25.17	+27	48.29	+6	37.51	+4	11.32	+ 3
31	14.08	− 1	40.71	+8	24.74	+16	47.97	+8	37.40	+3	11.07	+ 5
32	14.08	− 4	40.37	+5	24.33	+ 3	47.66	+8	37.30	+2	10.82	+ 7
sec δ, tg δ	+16.93		+16.90		+58.15		+58.14		+7.39		+7.32	

1914	Octantis 4 G. 6ᵐ.				ζ Octantis 6ᵐ—5ᵐ.				ι Octantis 6ᵐ—5ᵐ.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$ s	in s 0.01	−85° 12′ "	in " 0.01	$9^h 9^m$ s	in s 0.01	−85° 18′ "	in " 0.01	$12^h 45^m$ s	in s 0.01	−84° 39′ "	in " 0.01
Jan. 0	24.45	−1	30.26	+10	30.65	−7	56.13	−4	43.45	−2	6.57	−9
1	24.18	+2	30.28	+9	30.78	−8	56.46	0	43.71	−4	6.66	−7
2	23.91	+5	30.30	+7	30.91	−6	56.80	+5	43.97	−6	6.76	−3
3	23.64	+7	30.31	+3	31.03	−4	57.15	+7	44.23	−6	6.86	+1
4	23.37	+7	30.32	−1	31.14	−1	57.49	+8	44.49	−5	6.97	+5
5	23.10	+6	30.32	−5	31.25	+3	57.84	+9	44.75	−3	7.09	+8
6	22.83	+4	30.31	−9	31.35	+6	58.19	+6	45.00	0	7.21	+10
7	22.55	+1	30.30	−10	31.45	+7	58.54	+4	45.25	+3	7.34	+9
8	22.27	−2	30.28	−10	31.54	+8	58.89	0	45.50	+5	7.47	+7
9	22.00	−5	30.25	−7	31.63	+7	59.25	−3	45.76	+6	7.61	+4
10	21.72	−6	30.22	−4	31.71	+5	59.61	−6	46.01	+6	7.75	+2
11	21.45	−6	30.18	0	31.79	+1	59.97	−6	46.26	+5	7.91	−3
12	21.18	−4	30.13	+3	31.87	−2	60.34	−5	46.51	+2	8.07	−5
13	20.91	−2	30.08	+5	31.94	−4	60.71	−3	46.76	0	8.24	−6
14	20.63	0	30.02	+7	32.01	−6	61.08	0	47.01	−3	8.41	−6
15	20.35	+3	29.95	+6	32.07	−7	61.45	+4	47.26	−5	8.58	−5
16	20.08	+5	29.88	+5	32.13	−5	61.82	+6	47.50	−6	8.76	−2
17	19.80	+7	29.80	+2	32.18	−3	62.19	+8	47.75	−6	8.95	+2
18	19.52	+6	29.72	−2	32.23	0	62.57	+7	47.99	−4	9.14	+4
19	19.25	+5	29.63	−4	32.27	+2	62.95	+6	48.23	−2	9.34	+6
20	18.98	+1	29.53	−6	32.31	+5	63.33	+3	48.47	+1	9.54	+6
21	18.71	−2	29.43	−6	32.34	+6	63.71	−1	48.71	+3	9.75	+5
22	18.44	−5	29.32	−5	32.37	+6	64.09	−5	48.94	+5	9.96	+2
23	18.17	−7	29.21	−2	32.39	+3	64.47	−8	49.17	+6	10.18	−1
24	17.90	−8	29.09	+3	32.41	0	64.85	−10	49.40	+6	10.40	−6
25	17.63	−7	28.96	+5	32.42	−2	65.23	−10	49.63	+4	10.63	−8
26	17.36	−6	28.83	+8	32.43	−5	65.61	−9	49.86	+2	10.86	−10
27	17.09	−3	28.69	+10	32.43	−7	65.99	−5	50.08	−1	11.10	−10
28	16.82	+1	28.55	+9	32.43	−8	66.38	−1	50.30	−4	11.34	−8
29	16.56	+4	28.40	+8	32.42	−6	66.77	+3	50.52	−5	11.59	−5
30	16.30	+6	28.25	+4	32.41	−5	67.16	+7	50.74	−6	11.84	0
31	16.04	+7	28.09	+1	32.39	−2	67.55	+8	50.96	−6	12.10	+3
Febr. 1	15.78	+6	27.93	−4	32.37	+1	67.94	+9	51.17	−4	12.36	+7
2	15.52	+4	27.76	−7	32.34	+5	68.33	+7	51.38	−1	12.63	+10
3	15.26	+2	27.58	−10	32.31	+7	68.72	+4	51.59	+2	12.90	+10
4	15.00	−1	27.40	−10	32.28	+8	69.11	+2	51.80	+4	13.18	+8
5	14.75	−3	27.22	−8	32.24	+7	69.50	−2	52.00	+6	13.46	+5
6	14.50	−5	27.03	−6	32.19	+6	69.89	−5	52.20	+6	13.74	+3
sec δ, tg δ	+11.97		−11.93		+12.25		−12.21		+10.73		−10.68	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m-7^m.				χ Octantis. 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 44^m$ s	in s 0.01	−87° 47′ ″	in ″ 0.01	$16^h 28^m$ s	in s 0.01	−86° 12′ ″	in ″ 0.01	$18^h 3^m$ s	in s 0.01	−87° 39′ ″	in ″ 0.01
Jan. 0	24.72	+ 3	54.35	− 9	16.52	+ 5	32.43	− 8	54.91	+13	58.35	−5
1	25.32	− 6	54.25	− 9	16.79	+ 1	32.20	− 9	55.15	+ 7	58.03	−8
2	25.93	−10	54.16	− 6	17.07	− 3	31.98	− 8	55.41	0	57.71	−9
3	26.54	−14	54.08	− 3	17.35	− 6	31.76	− 6	55.67	− 7	57.40	−8
4	27.15	−15	54.00	+ 2	17.64	− 9	31.54	− 3	55.94	−12	57.09	−5
5	27.77	−14	53.93	+ 5	17.93	− 9	31.33	+ 2	56.22	−15	56.78	−2
6	28.39	− 9	53.86	+ 9	18.23	− 8	31.12	+ 6	56.51	−16	56.47	+2
7	29.01	− 2	53.80	+10	18.53	− 5	30.91	+ 9	56.81	−14	56.16	+6
8	29.63	+ 3	53.74	+10	18.84	− 2	30.71	+10	57.12	− 9	55.86	+8
9	30.26	+ 7	53.69	+ 8	19.15	+ 2	30.51	+ 9	57.44	− 3	55.56	+9
10	30.89	+11	53.65	+ 4	19.46	+ 5	30.32	+ 7	57.77	+ 3	55.26	+8
11	31.52	+11	53.61	0	19.78	+ 6	30.13	+ 3	58.10	+ 7	54.96	+5
12	32.16	+ 8	53.58	− 3	20.10	+ 6	29.95	− 1	58.45	+ 9	54.67	+1
13	32.80	+ 4	53.55	− 6	20.43	+ 4	29.77	− 5	58.81	+ 9	54.38	−3
14	33.44	− 3	53.53	− 7	20.76	+ 1	29.60	− 8	59.18	+ 7	54.09	−6
15	34.09	− 8	53.52	− 7	21.09	− 2	29.43	− 9	59.55	+ 3	53.80	−8
16	34.74	−12	53.51	− 5	21.43	− 4	29.26	− 8	59.93	− 2	53.52	−9
17	35.39	−13	53.51	− 2	21.77	− 7	29.10	− 5	60.32	− 7	53.24	−7
18	36.04	−13	53.51	+ 1	22.12	− 7	28.94	− 1	60.72	−10	52.96	−4
19	36.69	− 8	53.52	+ 4	22.47	− 6	28.79	+ 1	61.13	−10	52.69	0
20	37.35	− 3	53.53	+ 6	22.82	− 4	28.65	+ 5	61.54	− 9	52.42	+3
21	38.00	+ 5	53.55	+ 6	23.17	0	28.51	+ 7	61.96	− 4	52.15	+7
22	38.66	+11	53.58	+ 5	23.53	+ 3	28.38	+ 8	62.39	+ 1	51.89	+8
23	39.32	+16	53.61	+ 3	23.89	+ 7	28.25	+ 6	62.83	+ 7	51.63	+9
24	39.98	+17	53.65	− 1	24.26	+ 9	28.12	+ 4	63.28	+12	51.37	+7
25	40.64	+16	53.69	− 5	24.63	+10	28.00	0	63.73	+16	51.12	+4
26	41.30	+12	53.74	− 8	25.00	+10	27.88	− 4	64.19	+17	50.87	0
27	41.96	+ 6	53.80	− 9	25.37	+ 7	27.77	− 7	64.66	+14	50.62	−4
28	42.62	− 2	53.86	− 9	25.74	+ 3	27.67	− 8	65.14	+10	50.37	−7
29	43.28	− 8	53.93	− 8	26.12	− 1	27.57	− 9	65.62	+ 3	50.13	−9
30	43.94	−13	54.00	− 4	26.50	− 5	27.48	− 7	66.11	− 4	49.89	−8
31	44.60	−15	54.08	− 1	26.88	− 8	27.39	− 4	66.61	−10	49.66	−6
Febr. 1	45.25	−14	54.16	+ 4	27.26	− 9	27.31	0	67.11	−14	49.43	−3
2	45.91	−11	54.25	+ 7	27.64	− 9	27.23	+ 5	67.62	−16	49.20	+1
3	46.56	− 5	54.35	+10	28.03	− 7	27.16	+ 8	68.14	−15	48.98	+4
4	47.22	+ 1	54.45	+10	28.42	− 3	27.09	+ 9	68.66	−11	48.76	+7
5	47.87	+ 7	54.55	+ 9	28.81	0	27.03	+ 9	69.19	− 6	48.55	+9
6	48.52	+11	54.66	+ 6	29.20	+ 4	26.97	+ 8	69.72	0	48.34	+8
sec δ, tg δ	+26.03		−26.01		+15.12		−15.09		+24.54		−24.52	

1914	σ Octantis 6^m.				β Octantis 4^m-5^m.				τ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 21^m$	in s 0.01	−89° 13′	in ″ 0.01	$22^h 37^m$	in s 0.01	−81° 50′	in ″ 0.01	$23^h 15^m$	in s 0.01	−87° 57′	in ″ 0.01
Jan. 0	38.54	+49	62.14	+ 1	19.68	+3	18.09	+ 8	41.63	+ 8	36.89	+ 9
1	38.64	+45	61.79	− 3	19.57	+4	17.87	+ 5	41.10	+14	36.69	+ 6
2	38.78	+33	61.43	− 7	19.47	+4	17.64	+ 1	40.58	+16	36.48	+ 2
3	38.95	+14	61.08	− 8	19.37	+4	17.40	− 4	40.06	+16	36.27	− 2
4	39.16	− 7	60.73	− 8	19.27	+3	17.16	− 7	39.55	+12	36.06	− 6
5	39.40	−28	60.38	− 7	19.17	+1	16.92	− 9	39.04	+ 6	35.84	− 9
6	39.66	−43	60.03	− 4	19.08	−1	16.67	−10	38.54	− 3	35.62	−10
7	39.96	−50	59.68	− 1	18.98	−3	16.42	− 8	38.04	−10	35.39	− 9
8	40.28	−49	59.33	+ 3	18.89	−4	16.16	− 5	37.55	−15	35.16	− 6
9	40.63 41.02	−39 −23	58.98 58.63	+ 6 + 8	18.80	−4	15.90	− 1	37.07	−17	34.92	− 3
10	41.44	− 4	58.28	+ 7	18.71	−4	15.63	+ 2	36.59	−17	34.67	0
11	41.88	+13	57.93	+ 6	18.62	−2	15.36	+ 5	36.12	−12	34.42	+ 3
12	42.36	+27	57.58	+ 2	18.53	−1	15.08	+ 6	35.66	− 6	34.17	+ 6
13	42.86	+33	57.23	− 1	18.45	+1	14.80	+ 6	35.20	+ 2	33.91	+ 6
14	43.39	+30	56.88	− 4	18.37	+3	14.51	+ 3	34.75	+ 9	33.65	+ 4
15	43.96	+22	56.53	− 7	18.29	+4	14.22	+ 1	34.31	+15	33.38	+ 3
16	44.56	+ 7	56.18	− 9	18.21	+4	13.93	− 1	33.88	+16	33.11	− 1
17	45.18	− 8	55.84	− 8	18.13	+3	13.63	− 5	33.45	+15	32.83	− 4
18	45.84	−23	55.49	− 6	18.06	+2	13.33	− 6	33.03	+10	32.55	− 5
19	46.52	−30	55.15	− 3	17.99	0	13.03	− 7	32.62	+ 4	32.26	− 7
20	47.23	−31	54.81	+ 2	17.92	−2	12.72	− 5	32.21	− 3	31.97	− 6
21	47.97	−24	54.47	+ 6	17.85	−3	12.41	− 3	31.81	− 9	31.67	− 4
22	48.74	−10	54.13	+ 9	17.79	−4	12.09	0	31.42	−14	31.37	0
23	49.54	+ 8	53.79	+10	17.73	−4	11.77	+ 4	31.04	−15	31.07	+ 4
24	50.37	+26	53.45	+ 9	17.67	−3	11.44	+ 7	30.67	−14	30.76	+ 7
25	51.22	+40	53.12	+ 7	17.61	−2	11.11	+ 9	30.30	− 9	30.45	+10
26	52.10	+49	52.79	+ 3	17.55	0	10.78	+10	29.94	− 2	30.13	+10
27	53.01	+48	52.46	− 1	17.50	+2	10.45	+ 9	29.59	+ 6	29.81	+10
28	53.95	+39	52.13	− 5	17.45	+3	10.12	+ 7	29.25	+12	29.49	+ 8
29	54.91	+23	51.80	− 8	17.40	+4	9.78	+ 2	28.92	+16	29.16	+ 3
30	55.90	+ 2	51.48	− 9	17.35	+4	9.44	− 2	28.60	+16	28.83	− 1
31	56.91	−19	51.16	− 8	17.31	+3	9.10	− 6	28.28	+14	28.49	− 4
Febr. 1	57.95	−37	50.84	− 5	17.27	+2	8.75	− 9	27.98	+ 9	28.15	− 8
2	59.02	−48	50.52	− 2	17.23	0	8.40	− 9	27.69	+ 1	27.81	− 9
3	60.11	−50	50.21	+ 1	17.19	−2	8.05	− 9	27.40	− 7	27.46	− 9
4	61.22	−43	49.90	+ 5	17.16	−3	7.70	− 6	27.12	−13	27.11	− 7
5	62.36	−29	49.59	+ 7	17.13	−4	7.34	− 3	26.85	−17	26.76	− 4
6	63.52	−12	49.28	+ 8	17.10	−4	6.98	+ 1	26.59	−17	26.41	− 1
sec δ, tg δ	+74.61		−74.60		+7.04		−6.97		+28.08		−28.06	

1914	Octantis 4 G. 6^m.				ζ Octantis $6^m - 5^m$.				ι Octantis $6^m - 5^m$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$	in 0.01^s	−85° 12′	in 0.01″	$9^h 9^m$	in 0.01^s	−85° 19′	in 0.01″	$12^h 45^m$	in 0.01^s	−84° 39′	in 0.01″
Febr. 6	14.50	−5	27.03	−6	32.19	+6	9.89	−5	52.20	+6	13.74	+3
7	14.25	−6	26.83	−2	32.14	+4	10.27	−6	52.40	+5	14.03	−2
8	14.00	−5	26.63	+2	32.09	−1	10.65	−6	52.60	+4	14.32	−4
9	13.75	−3	26.42	+5	32.03	−3	11.03	−4	52.79	+1	14.62	−6
10	13.50	0	26.21	+6	31.97	−5	11.42	−2	52.98	−2	14.92	−6
11	13.26	+2	25.99	+7	31.90	−6	11.80	+2	53.17	−4	15.23	−5
12	13.02	+5	25.77	+5	31.83	−6	12.18	+5	53.36	−6	15.54	−2
13	12.78	+6	25.54	+3	31.75	−4	12.56	+7	53.54	−6	15.85	+1
14	12.54	+7	25.31	0	31.67	−1	12.94	+8	53.72	−5	16.16	+2
15	12.30	+6	25.07	−3	31.58	+2	13.32	+7	53.90	−3	16.48	+6
16	12.07	+3	24.83	−6	31.49	+4	13.70	+5	54.07	0	16.80	+6
17	11.84	−1	24.59	−6	31.40	+5	14.07	0	54.24	+2	17.13	+6
18	11.61	−4	24.34	−6	31.30	+6	14.45	−4	54.41	+5	17.46	+4
19	11.38	−6	24.09	−4	31.20	+5	14.82	−7	54.57	+6	17.79	0
20	11.16	−8	23.83	0	31.09	+2	15.19	−10	54.73	+6	18.13	−4
21	10.94	−8	23.56	+3	30.98	0	15.56	−10	54.89	+5	18.47	−8
22	10.72	−6	23.29	+7	30.86	−3	15.93	−10	55.05	+3	18.81	−9
23	10.51	−4	23.02	+9	30.74	−6	16.30	−7	55.20	0	19.15	−10
24	10.30	−1	22.74	+10	30.62	−8	16.66	−3	55.35	−3	19.50	−9
25	10.09	+3	22.46	+9	30.49	−8	17.02	+1	55.49	−5	19.85	−6
26	9.88	+6	22.17	+6	30.36	−6	17.38	+6	55.63	−6	20.20	−2
27	9.68	+7	21.88	+2	30.22	−3	17.74	+8	55.77	−6	20.55	+2
28	9.48	+7	21.59	−2	30.08	0	18.10	+8	55.91	−5	20.91	+6
März 1	9.28	+5	21.29	−6	29.94	+4	18.45	+8	56.04	−2	21.27	+8
2	9.08	+3	20.99	−8	29.79	+6	18.80	+6	56.17	0	21.63	+10
3	8.89	0	20.69	−10	29.64	+8	19.15	+3	56.30	+3	21.99	+9
4	8.70	−3	20.38	−9	29.49	+8	19.50	−1	56.42	+5	22.36	+7
5	8.52	−5	20.07	−7	29.33	+6	19.85	−4	56.54	+6	22.73	+3
6	8.34	−6	19.76	−4	29.17	+5	20.19	−6	56.66	+6	23.10	+1
7	8.16	−5	19.44	0	29.00	+1	20.53	−6	56.77	+4	23.47	−3
8	7.98	−4	19.12	+4	28.83	−2	20.87	−5	56.88	+2	23.84	−6
9	7.81	−1	18.80	+6	28.66	−5	21.20	−2	56.98	−1	24.21	−6
10	7.64	+1	18.47	+6	28.48	−6	21.53	+1	57.08	−3	24.59	−5
11	7.47	+4	18.14	+6	28.30	−6	21.86	+4	57.18	−5	24.97	−3
12	7.31	+6	17.81	+3	28.12	−5	22.18	+6	57.28	−6	25.35	+1
13	7.15	+7	17.47	+1	27.93	−2	22.50	+8	57.37	−6	25.73	+3
14	6.99	+6	17.13	−3	27.74	+1	22.82	+8	57.46	−4	26.11	+5
15	6.84	+4	16.79	−5	27.55	+3	23.13	+5	57.55	−2	26.49	+7
sec δ, tg δ	+11.97		−11.92		+12.26		−12.22		+10.74		−10.69	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m-7^m.				χ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 44^m$	in s 0.01	$-87° 47'$	in ″ 0.01	$16^h 28^m$	in s 0.01	$-86° 12'$	in ″ 0.01	$18^h 4^m$	in s 0.01	$-87° 39'$	in ″ 0.01
Febr. 6	48.52	+11	54.66	+ 6	29.20	+ 4	26.97	+ 8	9.72	0	48.34	+8
7	49.17	+12	54.78	+ 2	29.59	+ 6	26.92	+ 5	10.26	+ 5	48.14	+6
8	49.82	+ 9	54.90	− 2	29.99	+ 6	26.87	+ 1	10.81	+ 8	47.94	+3
9	50.46	+ 6	55.02	− 5	30.39	+ 5	26.82	− 3	11.36	+10	47.74	−1
10	51.10	0	55.15	− 7	30.78	+ 2	26.78	− 6	11.92	+ 8	47.55	−5
11	51.74	− 6	55.29	− 7	31.18	0	26.75	− 8	12.48	+ 4	47.36	−8
12	52.38	−11	55.43	− 6	31.58	− 3	26.72	− 8	13.05	− 1	47.18	−9
13	53.02	−14	55.58	− 3	31.98	− 6	26.70	− 6	13.62	− 5	47.00	−8
14	53.65	−14	55.74	0	32.38	− 7	26.68	− 3	14.20	− 9	46.83	−6
15	54.28	−11	55.90	+ 3	32.78	− 7	26.67	+ 1	14.78	−11	46.66	−2
16	54.91	− 5	56.06	+ 6	33.18	− 5	26.67	+ 4	15.36	−10	46.49	+2
17	55.53	+ 1	56.23	+ 6	33.59	− 2	26.67	+ 7	15.95	− 6	46.33	+6
18	56.15	+ 9	56.41	+ 6	33.99	+ 2	26.67	+ 8	16.54	− 1	46.17	+8
19	56.77	+14	56.59	+ 4	34.39	+ 5	26.68	+ 7	17.14	+ 4	46.02	+9
20	57.38	+17	56.77	+ 1	34.79	+ 8	26.70	+ 5	17.74	+10	45.87	+8
21	57.99	+17	56.96	− 3	35.20	+10	26.72	+ 1	18.35	+15	45.73	+5
22	58.60	+14	57.15	− 7	35.61	+10	26.75	− 3	18.96	+17	45.59	+1
23	59.20	+ 8	57.35	− 9	36.02	+ 8	26.78	− 6	19.57	+16	45.46	−2
24	59.80	+ 2	57.55	− 9	36.43	+ 5	26.81	− 9	20.19	+12	45.33	−6
25	60.40	− 6	57.75	− 9	36.83	+ 1	26.85	− 9	20.81	+ 7	45.21	−8
26	60.99	−12	57.96	− 6	37.24	− 4	26.89	− 8	21.43	0	45.09	−9
27	61.58	−14	58.18	− 2	37.65	− 7	26.94	− 5	22.06	− 7	44.97	−7
28	62.16	−15	58.40	+ 3	38.05	− 9	27.00	− 2	22.69	−12	44.86	−5
März 1	62.74	−13	58.62	+ 6	38.45	− 9	27.06	+ 2	23.32	−15	44.76	−1
2	63.31	− 7	58.85	+ 9	38.85	− 8	27.13	+ 7	23.95	−15	44.66	+3
3	63.88	− 1	59.08	+10	39.25	− 5	27.20	+ 9	24.59	−13	44.56	+6
4	64.44	+ 5	59.32	+10	39.65	− 1	27.27	+10	25.23	− 8	44.47	+8
5	65.00	+ 9	59.56	+ 8	40.05	+ 2	27.35	+ 9	25.87	− 2	44.39	+9
6	65.55	+11	59.81	+ 4	40.45	+ 5	27.43	+ 6	26.51	+ 4	44.31	+7
7	66.10	+11	60.06	0	40.85	+ 6	27.52	+ 2	27.15	+ 8	44.23	+4
8	66.65	+ 7	60.31	− 4	41.25	+ 6	27.62	− 2	27.80	+ 9	44.16	0
9	67.19	+ 2	60.57	− 7	41.65	+ 4	27.72	− 5	28.45	+ 9	44.10	−4
10	67.72	− 4	60.83	− 7	42.04	+ 1	27.82	− 8	29.10	+ 6	44.04	−7
11	68.25	−10	61.09	− 6	42.43	− 3	27.93	− 9	29.75	+ 2	43.98	−8
12	68.77	−13	61.36	− 5	42.82	− 5	28.04	− 7	30.40	− 3	43.93	−9
13	69.28	−14	61.63	− 1	43.21	− 7	28.15	− 4	31.05	− 7	43.88	−7
14	69.78	−12	61.91	+ 2	43.60	− 7	28.27	− 1	31.70	−10	43.84	−4
15	70.28	− 7	62.19	+ 5	43.99	− 6	28.39	+ 2	32.36	−11	43.80	0
sec δ, tg δ	+26.04		−26.02		+15.12		−15.09		+24.52		−24.50	

1914	σ Octantis 6^m.				β Octantis 4^m – 5^m.				τ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 22^m$	in s 0.01	$-89°13'$	in " 0.01	$22^h 37^m$	in s 0.01	$-81°49'$	in " 0.01	$23^h 15^m$	in s 0.01	$-87°57'$	in " 0.01
Febr. 6	3.52	−12	49.28	+8	17.10	−4	66.98	+ 1	26.59	−17	26.41	− 1
7	4.70	+ 7	48.98	+7	17.07	−3	66.62	+ 4	26.34	−14	26.05	+ 2
8	5.91	+22	48.68	+4	17.04	−1	66.26	+ 6	26.09	− 9	25.69	+ 5
9	7.14	+30	48.38	0	17.02	0	65.90	+ 6	25.86	− 1	25.33	+ 6
10	8.40	+32	48.09	−3	17.00	+2	65.54	+ 4	25.64	+ 6	24.97	+ 5
11	9.67	+25	47.80	−6	16.98	+4	65.17	+ 3	25.43	+12	24.60	+ 3
12	10.97	+13	47.51	−8	16.96	+4	64.80	− 1	25.22	+16	24.23	0
13	12.29	− 3	47.22	−9	16.95	+4	64.43	− 4	25.02	+16	23.86	− 2
14	13.63	−17	46.94	−7	16.94	+3	64.06	− 6	24.84	+13	23.49	− 6
15	14.99	−29	46.66	−4	16.93	+1	63.68	− 7	24.66	+ 7	23.12	− 6
16	16.37	−31	46.38	+1	16.93	−1	63.30	− 7	24.49	− 1	22.74	− 7
17	17.77	−28	46.11	+5	16.92	−2	62.93	− 4	24.33	− 7	22.36	− 5
18	19.20	−17	45.84	+8	16.92	−4	62.55	− 1	24.18	−13	21.98	− 2
19	20.64	0	45.57	+9	16.92	−4	62.17	+ 2	24.04	−15	21.60	+ 1
20	22.10	+20	45.31	+9	16.92	−4	61.79	+ 6	23.91	−15	21.22	+ 6
21	23.58	+36	45.05	+8	16.93	−2	61.41	+ 9	23.79	−11	20.83	+ 9
22	25.08	+47	44.80	+5	16.94	−1	61.03	+10	23.68	− 4	20.45	+10
23	26.59	+50	44.55	+1	16.95	+1	60.65	+10	23.58	+ 3	20.06	+10
24	28.12	+44	44.30	−4	16.96	+3	60.27	+ 8	23.49	+10	19.67	+ 9
25	29.67	+31	44.06	−7	16.98	+4	59.88	+ 4	23.40	+15	19.28	+ 5
26	31.24	+11	43.82	−9	{17.00 {17.02	+ 4 + 4	59.50 59.12	0 − 4	23.33	+16	18.89	+ 1
27	32.82	−10	43.58	−8	17.04	+2	58.73	− 7	23.27	+15	18.50	− 3
28	34.42	−30	43.35	−6	17.07	0	58.34	− 8	23.21	+11	18.11	− 6
März 1	36.03	−43	43.12	−3	17.10	−1	57.95	− 9	23.16	+ 4	17.71	− 9
2	37.66	−49	42.90	0	17.13	−3	57.56	− 7	23.12	− 3	17.32	− 9
3	39.30	−46	42.68	+4	17.16	−4	57.18	− 4	23.10	−11	16.92	− 8
4	40.96	−36	42.46	+6	17.19	−4	56.80	0	23.08	−16	16.53	− 5
5	42.63	−19	42.25	+8	17.23	−3	56.41	+ 3	23.07	−17	16.13	− 2
6	44.32	− 1	42.04	+7	17.27	−2	56.03	+ 5	23.07	−16	15.74	+ 1
7	46.02	+16	41.84	+5	17.31	0	55.65	+ 6	23.08	−11	15.34	+ 3
8	47.73	−27	41.64	+2	17.35	+2	55.27	+ 5	{23.10 {23.13	− 4 + 3	14.95 14.55	+ 6 + 6
9	49.45	+32	41.44	−2	17.40	+3	54.89	+ 3	23.17	+10	14.16	+ 4
10	51.19	+27	41.25	−5	17.45	+4	54.51	+ 1	23.22	+14	13.76	+ 2
11	52.94	+17	41.06	−8	17.50	+4	54.13	− 3	23.28	+16	13.36	− 2
12	54.70	+ 3	40.88	−9	17.55	+3	53.75	− 5	23.35	+14	12.96	− 4
13	56.47	−13	40.70	−8	17.60	+2	53.37	− 8	23.43	+ 9	12.56	− 7
14	58.25	−26	40.53	−6	17.66	0	52.99	− 7	23.52	+ 2	12.17	− 7
15	60.04	−32	40.36	−2	17.72	−2	52.61	− 5	23.61	− 5	11.77	− 5
sec δ, tg δ	+74.31		−74.30		+7.04		−6.97		+28.03		−28.01	

1914	Octantis 4 G. 6^m.				ζ Octantis 6^m-5^m.				ι Octantis 6^m-5^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$	in s 0.01	−85° 12′	in ″ 0.01	$9^h 9^m$	in s 0.01	−85° 19′	in ″ 0.01	$12^h 45^m$	in s 0.01	−84° 39′	in ″ 0.01
März 15	6.84	+4	16.79	− 5	27.55	+3	23.13	+ 5	57.55	−2	26.49	+ 7
16	6.69	+2	16.45	− 6	27.35	+5	23.44	+ 3	57.63	+1	26.87	+ 6
17	6.54	−3	16.10	− 6	27.15	+6	23.75	− 2	57.71	+4	27.25	+ 4
18	6.40	−5	15.75	− 5	26.95	+5	24.05	− 6	57.79	+6	27.63	+ 2
19	6.26	−7	15.40	− 2	26.74	+4	24.35	− 9	57.86	+6	28.02	− 2
20	6.12	−8	15.05	+ 2	26.53	0	24.65	−10	57.93	+6	28.41	− 7
21	5.99	−7	14.70	+ 5	26.32	−2	24.94	−10	57.99	+4	28.80	− 8
22	5.86	−5	14.34	+ 8	26.11	−5	25.23	− 8	58.05	+1	29.18	−10
23	5.73	−1	13.98	+10	25.89	−7	25.51	− 5	58.11	−2	29.57	−10
24	5.61	+2	13.62	+10	25.67	−8	25.79	0	58.16	−4	29.96	− 8
25	5.49	+5	13.26	+ 7	25.45	−6	26.07	+ 3	58.21	−6	30.35	− 4
26	5.37	+6	12.89	+ 3	25.22	−4	26.34	+ 7	58.26	−6	30.74	0
27	5.26	+7	12.52	0	24.99	−1	26.61	+ 8	58.30	−5	31.13	+ 4
28	5.15	+6	12.15	− 4	24.76	+2	26.88	+ 9	58.34	−3	31.52	+ 8
29	5.05	+5	11.78	− 8	24.53	+5	27.14	+ 7	58.38	−1	31.91	+ 9
30	4.95	+2	11.41	−10	24.29	+7	27.40	+ 4	58.41	+2	32.30	+10
31	4.86	−1	11.04	−10	24.05	+8	27.65	+ 1	58.44	+4	32.69	+ 8
April 1	4.77	−4	10.67	− 8	23.81	+7	27.90	− 3	58.47	+6	33.08	+ 5
2	4.68	−6	10.29	− 5	23.57	+5	28.14	− 5	58.49	+6	33.47	+ 1
3	4.59	−6	9.91	− 1	23.33	+2	28.38	− 6	58.51	+5	33.86	− 1
4	4.51	−5	9.53	+ 2	23.08	−1	28.62	− 6	58.53	+3	34.24	− 5
5	4.43	−2	9.15	+ 5	22.83	−4	28.85	− 3	58.54	0	34.63	− 6
6	4.36	+1	8.77	+ 6	22.58	−5	29.08	0	58.55	−2	35.01	− 6
7	4.29	+3	8.39	+ 7	22.33	−6	29.30	+ 3	58.56	−5	35.40	− 4
8	4.23	+6	8.01	+ 5	22.08	−6	29.52	+ 6	58.56	−6	35.78	− 1
9	4.17	+7	7.63	+ 2	21.82	−4	29.74	+ 8	58.56	−6	36.16	+ 2
10	4.11	+7	7.25	− 1	21.56	0	29.95	+ 8	58.55	−5	36.54	+ 5
11	4.06	+5	6.87	− 4	21.30	+3	30.16	+ 6	58.54	−3	36.92	+ 6
12	4.01	+3	6.49	− 6	21.04	+4	30.36	+ 4	58.53	0	37.30	+ 6
13	3.97	−1	6.10	− 6	20.78	+6	30.55	0	58.52	+3	37.68	+ 5
14	3.93	−4	5.71	− 6	20.51	+6	30.74	− 4	58.50	+5	38.05	+ 3
15	3.89	−7	5.32	− 3	20.24	+4	30.92	− 8	58.48	+6	38.43	0
16	3.86	−8	4.93	0	19.98	+1	31.10	−10	58.45	+6	38.80	− 5
17	{3.83 3.81	−8 −6	4.54 4.16	+ 4 + 7	19.71	−2	31.28	−10	58.42	+5	39.17	− 8
18	3.79	−3	3.78	+ 9	19.44	−4	31.45	− 9	58.39	+2	39.54	−10
19	3.77	0	3.40	+10	19.17	−7	31.62	− 6	58.36	0	39.91	−10
20	3.76	+4	3.02	+ 8	18.90	−8	31.78	− 2	58.32	−3	40.28	− 9
21	3.75	+6	2.64	+ 6	18.63	−8	31.93	+ 2	58.28	−5	40.64	− 6
sec δ, tg δ	+11.96		−11.92		+12.27		−12.23		+10.74		−10.70	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m–7^m.				χ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 45^m$ s	in s 0.01	−87° 48′ "	in " 0.01	$16^h 28^m$ s	in s 0.01	−86° 12′ "	in " 0.01	$18^h 4^m$ s	in s 0.01	−87° 39′ "	in " 0.01
März 15	10.28	− 7	2.19	+ 5	43.99	− 6	28.39	+2	32.36	−11	43.80	0
16	10.78	− 1	2.47	+ 7	44.38	− 3	28.52	+5	33.01	− 9	43.77	+4
17	11.27	+ 5	2.75	+ 6	44.76	0	28.66	+7	33.67	− 4	43.74	+7
18	11.75	+12	3.04	+ 5	45.14	+ 4	28.80	+7	34.32	+ 2	43.72	+9
19	12.23	+16	3.33	+ 2	45.52	+ 7	28.95	+6	34.98	+ 8	43.70	+8
20	12.70	+17	3.62	− 2	45.90	+10	29.10	+3	35.63	+13	43.69	+6
21	13.17	+16	3.92	− 5	46.27	+10	29.25	−1	36.29	+16	43.68	+3
22	13.63	+11	4.22	− 8	46.64	+ 9	29.41	−5	36.95	+17	43.68	−1
23	14.08	+ 4	4.52	− 9	47.01	+ 7	29.57	−8	37.60	+14	43.68	−5
24	14.52	− 2	4.83	− 9	47.38	+ 2	29.74	−8	38.26	+ 9	43.68	−8
25	14.96	− 9	5.14	− 8	47.75	− 2	29.91	−8	38.91	+ 2	43.69	−9
26	15.39	−14	5.45	− 4	48.11	− 6	30.08	−6	39.56	− 5	43.71	−8
27	15.81	−14	5.76	0	48.47	− 8	30.26	−3	40.21	−11	43.73	−6
28	16.23	−13	6.08	+ 5	48.83	− 9	30.44	+1	40.86	−15	43.75	−2
29	16.63	−10	6.40	+ 8	49.19	− 8	30.62	+6	41.51	−16	43.78	+1
30	17.03	− 3	6.72	+10	49.54	− 6	30.81	+8	42.16	−14	43.81	+5
31	17.42	+ 2	7.04	+10	49.89	− 2	31.00	+9	42.81	−10	43.85	+8
April 1	17.80	+ 8	7.37	+ 8	50.24	+ 1	31.20	+9	43.45	− 4	43.90	+9
2	18.18	+11	7.70	+ 5	50.59	+ 4	31.40	+7	44.09	+ 2	43.95	+8
3	18.55	+11	8.03	+ 1	50.93	+ 6	31.60	+4	44.73	+ 6	44.00	+5
4	18.91	+ 9	8.36	− 2	51.27	+ 6	31.81	0	45.37	+ 9	44.06	+2
5	19.26	+ 5	8.69	− 5	51.61	+ 4	32.02	−4	46.01	+ 8	44.12	−2
6	19.61	− 2	9.03	− 7	51.94	+ 2	32.24	−7	46.64	+ 7	44.19	−6
7	19.95	− 8	9.37	− 7	52.27	− 1	32.46	−9	47.27	+ 3	44.27	−8
8	20.28	−12	9.71	− 5	52.60	− 5	32.68	−8	47.90	− 2	44.34	−9
9	20.60	−14	10.05	− 2	52.92	− 7	32.91	−6	48.53	− 6	44.42	−8
10	20.91	−13	10.39	+ 1	53.24	− 8	33.14	−2	49.15	−10	44.50	−5
11	21.22	−10	10.73	+ 4	53.56	− 7	33.37	+3	49.77	−11	44.59	−1
12	21.52	− 4	11.07	+ 6	53.87	− 4	33.61	+4	50.39	− 9	44.69	+3
13	21.81	+ 3	11.42	+ 6	54.18	− 1	33.85	+7	51.00	− 6	44.79	+6
14	22.09	+10	11.77	+ 6	54.48	+ 3	34.09	+8	51.61	0	44.89	+8
15	22.36	+15	12.12	+ 3	54.78	+ 6	34.34	+7	52.22	+ 6	45.00	+9
16	22.63	+17	12.47	0	55.08	+ 9	34.59	+4	52.82	+11	45.11	+7
17	22.89	+17	12.82	− 4	55.38	+10	34.84	+1	53.42	+15	45.23	+5
18	23.14	+13	13.18	− 7	55.67	+10	35.09	−3	54.02	+17	45.35	+1
19	23.38	+ 7	13.53	−10	55.96	+ 8	35.35	−7	54.61	+15	45.47	−3
20	23.61	0	13.89	− 9	56.24	+ 4	35.61	−9	55.20	+12	45.60	−7
21	23.83	− 7	14.24	− 8	56.52	0	35.87	−9	55.79	+ 6	45.73	−8
sec δ, tg δ	+26.08		−26.06		+15.12		−15.09		+24.52		−24.49	

1914	σ Octantis 6^m.				β Octantis 4^m–5^m.				τ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 23^m$ s	in s 0.01	$-89°13'$ "	in " 0.01	$22^h 37^m$ s	in s 0.01	$-81°49'$ "	in " 0.01	$23^h 15^m$ s	in s 0.01	$-87°56'$ "	in " 0.01
März 15	0.04	−32	40.36	− 2	17.72	−2	52.61	− 5	23.61	− 5	71.77	− 5
16	1.84	−31	40.20	+ 3	17.78	−3	52.24	− 2	23.72	−11	71.38	− 4
17	3.65	−22	40.04	+ 7	17.84	−4	51.87	+ 1	23.84	−15	70.98	0
18	5.47	− 8	39.89	+ 9	17.91	−4	51.50	+ 5	23.96	−15	70.59	+ 4
19	7.30	+12	39.74	+10	17.98	−3	51.13	+ 8	24.09	−13	70.20	+ 8
20	9.13	+30	39.59	+ 9	18.05	−2	50.76	+10	24.23	− 7	69.81	+10
21	10.97	+44	39.45	+ 6	18.12	0	50.39	+10	24.38	0	69.42	+10
22	12.82	+51	39.31	+ 3	18.19	+2	50.02	+ 9	24.54	+ 7	69.03	+ 9
23	14.68	+49	39.18	− 1	18.27	+3	49.66	+ 6	24.70	+12	68.64	+ 6
24	16.54	+37	39.05	− 6	18.35	+4	49.30	+ 1	24.88	+16	68.26	+ 3
25	18.41	+20	38.93	− 8	18.43	+4	48.94	− 2	25.07	+16	67.87	− 1
26	20.28	− 1	38.81	− 9	18.51	+3	48.58	− 6	25.27	+13	67.49	− 5
27	22.16	−22	38.70	− 7	18.59	+1	48.22	− 8	25.47	+ 7	67.11	− 7
28	24.04	−39	38.59	− 5	18.68	−1	47.86	− 9	25.68	0	66.73	− 9
29	25.93	−47	38.49	− 1	18.77	−2	47.51	− 8	25.90	− 9	66.35	− 9
30	27.82	−49	38.39	+ 2	18.86	−4	47.16	− 6	26.13	−14	65.97	− 7
31	29.72	−40	38.29	+ 5	18.95	−4	46.81	− 2	26.37	−17	65.60	− 3
April 1	31.62	−26	38.20	+ 7	19.05	−4	46.46	+ 2	26.61	−17	65.23	− 1
2	33.52	− 8	38.12	+ 8	19.15	−2	46.12	+ 5	26.87	−13	64.86	+ 3
3	35.43	+10	38.04	+ 6	19.25	−1	45.78	+ 6	27.13	− 7	64.49	+ 5
4	37.33	+23	37.96	+ 3	19.35	+1	45.44	+ 6	27.40	0	64.13	+ 6
5	39.24	+31	37.89	− 1	19.45	+2	45.10	+ 4	27.68	+ 7	63.77	+ 5
6	41.15	+30	37.83	− 5	19.55	+4	44.77	+ 1	27.97	+13	63.41	+ 2
7	43.06	+21	37.77	− 7	19.66	+4	44.44	− 2	28.26	+16	63.05	0
8	44.97	+ 8	37.71	− 8	19.77	+4	44.11	− 4	28.56	+16	62.69	− 4
9	46.88	− 8	37.66	− 8	19.88	+2	43.79	− 7	28.87	+12	62.34	− 6
10	48.79	−22	37.61	− 7	19.99	+1	43.47	− 7	29.19	+ 5	61.99	− 7
11	50.70	−31	37.57	− 4	20.10	−1	43.15	− 7	29.52	− 2	61.64	− 7
12	52.61	−33	37.53	0	20.21	−3	42.83	− 4	29.85	− 8	61.29	− 4
13	54.52	−27	37.50	+ 5	20.33	−4	42.52	0	30.19	−13	60.95	− 2
14	56.43	−14	37.47	+ 8	20.45	−4	42.21	+ 3	30.54	−15	60.61	+ 2
15	58.33	+ 4	37.45	+10	20.57	−3	41.91	+ 7	30.90	−14	60.27	+ 6
16	60.23	+23	37.43	+ 9	20.69	−2	41.61	+ 9	31.26	−10	59.93	+ 9
17	62.13	+39	37.42	+ 7	20.81	0	41.31	+10	31.63	− 3	59.60	+11
18	64.02	+49	37.41	+ 4	20.93	+2	41.01	+ 9	32.01	+ 5	59.27	+10
19	65.91	+51	37.41	0	21.06	+3	40.72	+ 7	32.39	+11	58.95	+ 8
20	67.80	+43	37.41	− 4	21.19	+4	40.43	+ 4	32.78	+16	58.63	+ 5
21	69.68	+28	37.42	− 7	21.32	+4	40.15	− 1	33.18	+16	58.31	+ 1
sec δ, tg δ	+74.15		−74.14		+7.04		−6.96		+27.97		−27.95	

1914	Octantis 4 G. 6^m.				ζ Octantis $6^m - 5^m$.				ι Octantis $6^m - 5^m$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$ s	in s 0.01	−85° 11′ ″	in ″ 0.01	$9^h 9^m$ s	in s 0.01	−85° 19′ ″	in ″ 0.01	$12^h 45^m$ s	in s 0.01	−84° 39′ ″	in ″ 0.01
April 21	3.75	+6	62.64	+ 6	18.63	−8	31.93	+ 2	58.28	−5	40.64	− 6
22	3.75	+7	62.26	+ 1	18.36	−5	32.08	+ 5	58.23	−6	41.00	− 2
23	3.75	+6	61.88	− 2	18.09	−3	32.22	+ 8	58.18	−6	41.36	+ 3
24	3.76	+5	61.50	− 7	17.82	0	32.36	+ 8	58.13	−4	41.72	+ 7
25	3.76	+2	61.12	− 9	17.54	+3	32.50	+ 8	58.08	−2	42.08	+ 9
26	3.77	0	60.74	−10	17.26	+7	32.63	+ 5	58.02	+1	42.43	+10
27	3.79	−3	60.36	− 9	16.98	+8	32.75	+ 1	57.96	+4	42.78	+ 9
28	3.81	−5	59.98	− 6	16.70	+7	32.87	− 2	57.89	+6	43.13	+ 6
29	3.83	−6	59.60	− 3	16.42	+6	32.99	− 4	57.82	+6	43.48	+ 3
30	3.86	−5	59.22	+ 1	16.14	+4	33.10	− 6	57.75	+6	43.82	0
Mai 1	3.89	−3	58.84	+ 4	15.86	0	33.21	− 6	57.68	+4	44.16	− 3
2	3.93	−1	58.47	+ 6	15.58	−3	33.31	− 4	57.60	+1	44.50	− 6
3	3.97	+2	58.10	+ 6	15.30	−5	33.40	− 1	57.52	−1	44.84	− 6
4	4.02	+4	57.73	+ 6	15.02	−6	33.49	+ 1	57.43	−4	45.17	− 4
5	4.07	+6	57.36	+ 3	14.74	−5	33.57	+ 5	57.34	−6	45.50	− 3
6	4.12	+7	56.99	0	14.46	−4	33.65	+ 7	57.25	−6	45.83	+ 1
7	4.18	+6	56.63	− 4	14.18	−2	33.72	+ 8	57.16	−5	46.16	+ 4
8	4.24	+4	56.27	− 5	13.89	+2	33.79	+ 8	57.06	−4	46.48	+ 5
9	4.31	+1	55.91	− 7	13.61	+3	33.85	+ 5	56.96	−1	46.80	+ 7
10	4.38	−3	55.55	− 6	13.33	+5	33.91	+ 2	56.86	+2	47.12	+ 6
11	4.45	−6	55.19	− 4	13.05	+6	33.96	− 3	56.75	+4	47.43	+ 4
12	4.53	−7	54.83	− 1	12.77	+5	34.01	− 6	56.64	+6	47.74	+ 1
13	4.61	−8	54.48	+ 2	12.49	+3	34.05	− 9	56.53	+6	48.05	− 3
14	4.69	−7	54.12	+ 6	12.21	−1	34.09	−10	56.42	+5	48.35	− 7
15	4.78	−4	53.77	+ 9	11.93	−3	34.12	−10	56.31	+3	48.65	−10
16	4.87	−1	53.42	+10	11.65	−6	34.15	− 8	56.19	+1	48.94	−10
17	4.97	+2	53.07	+10	11.37	−7	34.17	− 5	56.07	−2	49.23	−10
18	5.07	+5	52.73	+ 7	11.09	−8	34.19	− 2	55.95	−5	49.52	− 8
19	5.17	+7	52.39	+ 4	10.81	−7	34.20	+ 4	55.82	−6	49.80	− 4
20	5.28	+7	52.05	− 1	10.53	−4	34.20	+ 7	55.69	−6	50.08	+ 1
21	5.39	+6	51.72	− 5	10.25	−1	34.20	+ 8	55.56	−5	50.36	+ 4
22	5.50	+3	51.39	− 8	9.98	+2	34.19	+ 8	55.43	−3	50.63	+ 8
23	5.62	0	51.06	−10	9.71	+6	34.18	+ 6	55.29	0	50.90	+ 9
24	5.74	−2	50.73	−10	9.44	+7	34.16	+ 3	55.15	+3	51.16	+ 9
25	5.87	−5	50.41	− 7	9.17	+8	34.14	0	55.01	+5	51.42	+ 7
26	6.00	−6	50.09	− 4	8.90	+7	34.11	− 4	54.87	+6	51.67	+ 4
27	6.13	−6	49.77	0	8.63	+4	34.08	− 6	54.72	+6	51.92	0
28	6.26	−4	49.46	+ 3	8.36	+2	34.04	− 6	54.57	+5	52.17	− 2
sec δ, tg δ	+11.95		−11.91		+12.27		−12.23		+10.75		−10.70	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m-7^m.				χ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 45^m$	in ^{s} 0.01	−87° 48′	in ″ 0.01	$16^h 28^m$	in ^{s} 0.01	−86° 12′	in ″ 0.01	$18^h 4^m$	in ^{s} 0.01	−87° 39′	in ″ 0.01
April 21	23.83	−7	14.24	−8	56.52	0	35.87	−9	55.79	+6	45.73	−8
22	24.04	−11	14.60	−5	56.79	−5	36.13	−7	56.38	−2	45.87	−9
23	24.25	−14	14.95	−1	57.06	−7	36.40	−5	56.96	−8	46.01	−7
24	24.45	−15	15.31	+2	57.32	−9	36.67	−1	57.54	−13	46.16	−4
25	24.64	−11	15.67	+7	57.58	−9	36.94	+3	58.11	−15	46.31	0
26	24.82	−6	16.03	+9	57.84	−7	37.21	+7	58.67	−15	46.46	+4
27	24.99	+1	16.39	+10	58.09	−4	37.49	+9	59.23	−11	46.62	+7
28	25.15	+6	16.75	+9	58.34	0	37.77	+10	59.78	−7	46.78	+9
29	25.31	+10	17.11	+6	58.59	+3	38.05	+8	60.33	−1	46.95	+8
30	25.46	+11	17.47	+3	58.83	+6	38.34	+5	60.88	+5	47.12	+7
Mai 1	25.60	+10	17.83	−1	59.07	+6	38.63	+1	61.42	+8	47.29	+3
2	25.73	+6	18.19	−4	59.30	+5	38.92	−3	61.95	+9	47.47	0
3	25.85	+1	18.55	−6	59.53	+3	39.21	−6	62.48	+8	47.65	−4
4	25.96	−6	18.91	−7	59.75	−1	39.50	−7	63.01	+4	47.84	−7
5	26.06	−11	19.27	−6	59.97	−3	39.80	−8	63.53	0	48.03	−9
6	26.15	−12	19.63	−4	60.18	−6	40.10	−7	64.04	−5	48.22	−8
7	26.24	−14	19.99	0	60.38	−8	40.40	−4	64.54	−9	48.42	−6
8	26.31	−12	20.34	+4	60.58	−7	40.70	0	65.04	−11	48.62	−3
9	26.37	−6	20.70	+6	60.78	−6	41.00	+4	65.53	−11	48.82	+1
10	26.43	0	21.05	+7	60.97	−2	41.30	+6	66.02	−8	49.03	+5
11	26.48	+8	21.41	+6	61.16	+1	41.61	+7	66.50	−3	49.24	+8
12	26.52	+13	21.76	+4	61.34	+5	41.92	+7	66.98	+3	49.46	+9
13	26.55	+17	22.12	+2	61.52	+8	42.23	+5	67.45	+9	49.68	+8
14	26.57	+17	22.47	−2	61.69	+10	42.54	+2	67.91	+14	49.90	+6
15	26.59	+15	22.82	−6	61.86	+10	42.85	−2	68.36	+17	50.12	+2
16	26.59	+11	23.17	−9	62.02	+9	43.17	−6	68.81	+17	50.35	−2
17	26.58	+3	23.52	−10	62.18	+6	43.48	−8	69.25	+13	50.58	−5
18	26.57	−4	23.87	−9	62.33	+1	43.80	−10	69.69	+8	50.81	−8
19	26.55	−9	24.22	−7	62.48	−2	44.12	−8	70.12	+1	51.05	−9
20	26.52	−14	24.56	−3	62.62	−6	44.44	−6	70.54	−6	51.29	−8
21	26.48	−14	24.90	+1	62.76	−8	44.75	−3	70.95	−11	51.53	−5
22	26.43	−13	25.24	+5	62.89	−9	45.07	+1	71.36	−15	51.77	−2
23	26.37	−9	25.58	+8	63.02	−7	45.39	+6	71.76	−15	52.02	+2
24	26.30	−2	25.92	+10	63.14	−5	45.71	+9	72.15	−13	52.27	+6
25	26.22	+4	26.26	+10	63.26	−2	46.03	+10	72.53	−9	52.52	+8
26	26.13	+7	26.60	+8	63.37	+2	46.35	+9	72.91	−3	52.78	+9
27	26.04	+11	26.93	+4	63.47	+5	46.67	+7	73.28	+3	53.04	+8
28	25.94	+11	27.26	0	63.57	+6	46.99	+3	73.64	+7	53.30	+5
sec δ, tg δ	+26.12		−26.10		+15.13		−15.10		+24.53		−24.51	

1914	σ Octantis 6^m.				β Octantis 4^m–5^m.				τ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19h 24m	in 0.01s	−89° 13′	in 0.01″	22h 37m	in 0.01s	−81° 49′	in 0.01″	23h 15m	in 0.01s	−87° 56′	in 0.01″
April 21	9.68s	+28	37.42″	− 7	21.32s	+4	40.15″	− 1	33.18s	+16	58.31″	+ 1
22	11.56	+ 9	37.43	− 9	21.45	+3	39.87	− 5	33.59	+15	58.00	− 4
23	13.43	−13	37.45	− 8	21.58	+2	39.59	− 7	34.00	+10	57.69	− 7
24	15.29	−32	37.47	− 6	21.71	0	39.32	− 9	34.42	+ 3	57.38	− 9
25	17.15	−45	37.50	− 2	21.85	−2	39.05	− 8	34.84	− 5	57.07	− 9
26	19.00	−48	37.53	+ 2	21.99	−3	38.78	− 7	35.27	−12	56.77	− 8
27	20.85	−44	37.57	+ 4	22.13	−4	38.52	− 3	35.71	−17	56.47	− 5
28	22.69	−32	37.61	+ 7	22.27	−4	38.26	0	36.16	−17	56.18	− 1
29	24.52	−15	37.66	+ 8	22.41	−3	38.01	+ 4	36.61	−15	55.89	+ 1
30	26.34	+ 3	37.71	+ 7	22.55	−2	37.76	+ 6	37.07	−10	55.60	+ 4
Mai 1	28.16	+19	37.77	+ 4	22.69	0	37.52	+ 6	37.53	− 3	55.32	+ 6
2	29.96	+28	37.83	+ 1	22.83	+2	37.28	+ 5	38.00	+ 5	55.04	+ 6
3	31.76	+30	37.89	− 3	22.98	+3	37.04	+ 2	38.47	+11	54.77	+ 3
4	33.55	+25	37.96	− 6	23.13	+4	36.81	0	38.95	+15	54.50	0
5	35.33	+13	38.04	− 8	23.28	+4	36.58	− 4	39.44	+16	54.24	− 3
6	37.09	− 2	38.12	− 9	23.43	+3	36.35	− 6	39.93	+14	53.98	− 5
7	38.85	−17	38.20	− 8	23.58	+1	36.13	− 8	40.42	+ 8	53.73	− 7
8	40.59	−28	38.29	− 5	23.73	0	35.91	− 7	40.92	+ 1	53.48	− 7
9	42.33	−34	38.38	− 1	23.88	−2	35.70	− 6	41.43	− 7	53.23	− 6
10	44.05	−30	38.48	+ 4	24.03	−4	35.50	− 2	41.94	−12	52.99	− 3
11	45.77	−21	38.58	+ 7	24.18	−4	35.30	+ 2	42.46	−15	52.75	0
12	47.47	− 5	38.69	+ 9	24.33	−4	35.11	+ 5	42.98	−15	52.52	+ 4
13	49.16	+14	38.80	+10	24.49	−3	34.92	+ 8	43.51	−12	52.29	+ 8
14	50.84	+33	38.92	+ 8	24.65	−1	34.73	+10	44.04	− 6	52.06	+10
15	52.50	+46	39.04	+ 5	24.81	+1	34.55	+10	44.57	+ 1	51.84	+10
16	54.15	+51	39.17	+ 2	24.97	+2	34.37	+ 8	45.11	+ 9	51.62	+ 9
17	55.78	+48	39.30	− 2	25.13	+4	34.20	+ 5	45.65	+14	51.41	+ 7
18	57.40	+36	39.43	− 7	25.29	+4	34.03	+ 1	46.20	+17	51.20	+ 3
19	59.01	+18	39.57	− 8	25.45	+4	33.87	− 3	46.75	+16	51.00	− 1
20	60.60	− 3	39.71	− 8	25.61	+2	33.72	− 7	47.30	+12	50.80	− 6
21	62.17	−24	39.86	− 7	25.77	+1	33.57	− 8	47.86	+ 6	50.61	− 8
22	63.73	−40	40.01	− 4	25.93	−1	33.42	− 9	48.42	− 2	50.42	− 9
23	65.27	−47	40.16	0	26.09	−3	33.28	− 7	48.99	− 9	50.24	− 8
24	66.79	−47	40.32	+ 3	26.25	−4	33.15	− 5	49.56	−15	50.06	− 6
25	68.30	−37	40.48	+ 6	26.41	−4	33.02	− 1	50.13	−17	49.89	− 2
26	69.79	−22	40.65	+ 7	26.57	−3	32.89	+ 2	50.70	−17	49.72	+ 1
27	71.27	− 5	40.82	+ 7	26.73	−2	32.77	+ 5	51.28	−12	49.56	+ 3
28	72.73	+12	40.99	+ 6	26.89	−1	32.65	+ 6	51.86	− 6	49.40	+ 5
sec δ, tg δ	+74.16		−74.15		+7.03		−6.96		+27.93		−27.91	

1914	Octantis 4 G. 6^m.				ζ Octantis 6^m – 5^m.				ι Octantis 6^m – 5^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	1h 42m	in s 0.01	−85° 11′	in ″ 0.01	9h 8m	in s 0.01	−85° 19′	in ″ 0.01	12h 45m	in s 0.01	−84° 39′	in ″ 0.01
Mai 28	6.26	−4	49.46	+ 3	68.36	+2	34.04	− 6	54.57	+5	52.17	− 2
29	6.40	−2	49.15	+ 5	68.09	−2	34.00	− 5	54.42	+3	52.41	− 4
30	6.54	+1	48.84	+ 6	67.82	−4	33.95	− 3	54.26	0	52.65	− 6
31	6.69	+4	48.54	+ 5	67.56	−6	33.89	+ 1	54.10	−3	52.88	− 5
Juni 1	6.84	+6	48.24	+ 4	67.30	−6	33.83	+ 4	53.94	−5	53.11	− 3
2	6.99	+7	47.94	+ 2	67.04	−4	33.77	+ 7	53.78	−6	53.33	− 1
3	7.15	+6	47.65	− 2	66.78	−3	33.70	+ 8	53.62	−6	53.55	+ 2
4	7.31	+5	47.36	− 5	66.52	0	33.62	+ 8	53.45	−4	53.77	+ 6
5	7.47	+2	47.08	− 7	66.26	+3	33.54	+ 6	53.28	−2	53.98	+ 8
6	7.64	−2	46.80	− 6	66.01	+5	33.45	+ 3	53.11	+1	54.18	+ 7
7	7.80	−5	46.52	− 5	65.76	+6	33.36	0	52.94	+3	54.38	+ 5
8	7.97	−7	46.25	− 2	65.51	+6	33.27	− 5	52.77	+5	54.58	+ 2
9	8.14	−8	45.98	+ 1	65.26	+4	33.17	− 8	52.60	+6	54.77	− 1
10	8.32	−7	45.72	+ 5	65.01	+1	33.07	−10	52.43	+6	54.96	− 5
11	8.50	−5	45.46	+ 8	64.77	−3	32.96	−10	52.25	+4	55.14	− 9
12	8.68	−3	45.20	+10	64.53	−5	32.84	− 9	52.07	+2	55.31	−10
13	8.86	0	44.95	+10	64.29	−7	32.72	− 6	51.89	−1	55.48	−10
14	9.05	+4	44.70	+ 8	64.05	−8	32.59	− 2	51.71	−4	55.64	− 9
15	9.24	+6	44.46	+ 5	63.81	−7	32.46	+ 3	51.53	−6	55.80	− 5
16	9.44	+7	44.22	0	63.58	−5	32.32	+ 6	51.34	−6	55.96	− 1
17	9.64	+6	43.99	− 3	63.35	−2	32.18	+ 8	51.15	−6	56.11	+ 3
18	9.84	+4	43.76	− 6	63.12	+1	32.03	+ 8	50.96	−4	56.26	+ 6
19	10.04	+1	43.53	− 9	62.90	+4	31.88	+ 7	50.77	−1	56.40	+ 9
20	10.24	−1	43.31	−10	62.68	+7	31.73	+ 4	50.58	+2	56.53	+10
21	10.45	−4	43.09	− 8	62.46	+8	31.57	+ 1	50.39	+4	56.66	+ 8
22	10.66	−5	42.88	− 6	62.24	+7	31.41	− 2	50.20	+6	56.78	+ 5
23	10.87	−6	42.68	− 2	62.03	+5	31.24	− 5	50.00	+6	56.90	+ 2
24	11.08	−5	42.48	+ 2	61.82	+4	31.07	− 6	49.80	+5	57.01	− 2
25	11.29	−3	42.29	+ 5	61.61	0	30.89	− 6	49.60	+3	57.12	− 3
26	11.51	0	42.10	+ 6	61.40	−3	30.71	− 4	49.40	+1	57.22	− 6
27	11.73	+3	41.91	+ 6	61.20	−5	30.52	− 1	49.20	−2	57.32	− 6
28	11.95	+5	41.73	+ 5	61.00	−6	30.33	+ 2	49.00	−4	57.41	− 4
29	12.17	+6	41.55	+ 2	60.80	−5	30.14	+ 6	48.80	−6	57.50	− 2
30	12.40	+7	41.38	− 1	60.61	−4	29.94	+ 7	48.60	−6	57.58	+ 2
Juli 1	12.63	+6	41.22	− 4	60.42	−1	29.74	+ 8	48.40	−5	57.65	+ 4
2	12.86	+3	41.06	− 6	60.23	+2	29.54	+ 8	48.20	−3	57.72	+ 6
3	13.09	0	40.91	− 7	60.05	+5	29.33	+ 5	47.99	0	57.78	+ 7
4	13.32	−4	40.76	− 6	59.87	+5	29.12	+ 1	47.79	+2	57.84	+ 6
sec δ, tg δ	+11.94		−11.90		+12.27		−12.23		+10.76		−10.71	

1914	Octantis 20 G. 7^m.				Octantis 26 G. $6^m - 7^m$.				χ Octantis. 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 45^m$	in s 0.01	$-87°48'$	in " 0.01	$16^h 29^m$	in s 0.01	$-86°12'$	in " 0.01	$18^h 5^m$	in s 0.01	$-87°39'$	in " 0.01
Mai 28	25.94	+11	27.26	0	3.57	+ 6	46.99	+3	13.64	+ 7	53.30	+5
29	25.83	+ 8	27.59	− 3	3.66	+ 6	47.31	−1	13.99	+ 9	53.56	+1
30	25.71	+ 3	27.92	− 5	3.75	+ 4	47.63	−5	14.33	+ 8	53.83	−3
31	25.58	− 3	28.24	− 6	3.84	+ 1	47.95	−7	14.67	+ 6	54.10	−6
Juni 1	25.44	− 9	28.56	− 7	3.92	− 2	48.28	−9	15.00	+ 2	54.37	−8
2	25.29	−13	28.88	− 4	3.99	− 5	48.61	−8	15.32	− 3	54.64	−9
3	25.13	−14	29.20	− 2	4.06	− 7	48.93	−5	15.63	− 8	54.92	−7
4	24.97	−14	29.51	+ 2	4.12	− 8	49.25	−1	15.94	−11	55.20	−4
5	24.80	− 9	29.82	+ 4	4.18	− 7	49.57	+2	16.24	−11	55.48	0
6	24.62	− 3	30.13	+ 7	4.23	− 5	49.89	+5	16.53	−10	55.76	+4
7	24.43	+ 4	30.44	+ 6	4.27	0	50.21	+7	16.81	− 5	56.04	+7
8	24.23	+11	30.74	+ 5	4.31	+ 3	50.53	+8	17.08	+ 1	56.32	+8
9	24.03	+16	31.04	+ 3	4.34	+ 7	50.85	+6	17.34	+ 7	56.61	+9
10	23.82	+17	31.34	− 1	4.37	+ 9	51.17	+4	17.59	+12	56.90	+7
11	23.60	+16	31.63	− 5	4.39	+10	51.49	0	17.83	+16	57.19	+4
12	23.37	+13	31.92	− 8	4.40	+10	51.81	−4	18.07	+17	57.48	0
13	23.13	+ 6	32.21	−10	4.41	+ 7	52.13	−7	18.30	+15	57.77	−4
14	22.88	− 1	32.50	− 9	4.41	+ 4	52.44	−9	18.52	+11	58.06	−7
15	22.63	− 7	32.78	− 8	4.41	− 1	52.75	−9	18.73	+ 4	58.35	−9
16	22.37	−12	33.06	− 5	4.41	− 4	53.06	−7	18.93	− 3	58.65	−8
17	22.10	−14	33.33	− 1	4.40	− 8	53.37	−4	19.13	− 9	58.95	−6
18	21.82	−13	33.60	+ 3	4.38	− 8	53.68	0	19.31	−13	59.25	−3
19	21.54	−10	33.87	+ 7	4.36	− 8	53.99	+4	19.48	−15	59.55	+1
20	21.25	− 5	34.13	+ 9	4.33	− 6	54.30	+8	19.65	−14	59.85	+4
21	20.95	+ 2	34.39	+10	4.30	− 3	54.61	+9	19.81	−10	60.15	+7
22	20.65	+ 7	34.65	+ 9	4.26	0	54.91	+9	19.95	− 6	60.45	+9
23	20.34	+11	34.90	+ 6	4.22	+ 4	55.21	+8	20.09	0	60.75	+8
24	20.02	+11	35.15	+ 2	4.17	+ 6	55.51	+5	20.22	+ 6	61.05	+6
25	19.69	+ 9	35.39	− 2	4.11	+ 6	55.81	+1	20.34	+ 9	61.36	+3
26	19.36	+ 5	35.63	− 5	4.05	+ 5	56.11	−3	20.45	+ 9	61.66	−1
27	19.02	0	35.87	− 6	3.98	+ 2	56.41	−6	20.55	+ 8	61.97	−5
28	18.67	− 7	36.10	− 7	3.91	− 1	56.70	−7	20.64	+ 3	62.27	−8
29	18.31	−11	36.33	− 5	3.83	− 4	56.99	−8	20.72	− 2	62.58	−9
30	17.95	−15	36.55	− 3	3.75	− 6	57.28	−6	20.79	− 6	62.89	−8
Juli 1	17.58	−14	36.77	0	3.66	− 8	57.57	−3	20.85	−10	63.19	−6
2	17.21	−11	36.98	+ 4	3.57	− 7	57.85	+1	20.91	−12	63.50	−2
3	16.83	− 6	37.19	+ 6	3.48	− 6	58.13	+5	20.95	−11	63.80	+2
4	16.45	+ 1	37.39	+ 7	3.38	− 2	58.41	+7	20.98	− 7	64.11	+6
$\sec\delta$, $\operatorname{tg}\delta$	+26.16		−26.14		+15.15		−15.11		+24.56		−24.54	

1914	σ Octantis 6ᵐ.				β Octantis 4ᵐ–5ᵐ.				τ Octantis 6ᵐ.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 25^m$ s	in s 0.01	−89° 13′ ″	in ″ 0.01	$22^h 37^m$ s	in s 0.01	−81° 49′ ″	in ″ 0.01	$23^h 15^m$ s	in s 0.01	−87° 56′ ″	in ″ 0.01
Mai 28	12.73	+12	40.99	+6	26.89	−1	32.65	+6	51.86	−6	49.40	+5
29	14.17	+25	41.17	+2	27.06	+1	32.54	+6	52.44	+2	49.25	+6
30	15.59	+30	41.36	−1	27.23	+3	32.43	+3	53.03	+9	49.11	+4
31	16.99	+27	41.55	−5	27.40	+4	32.33	0	53.62	+14	48.97	+2
Juni 1	18.37	+18	41.74	−7	27.56	+4	32.23	−2	54.21	+15	48.83	−1
2	19.74	+3	41.94	−9	27.72	+3	32.14	−6	54.80	+15	48.70	−5
3	21.09	−12	42.14	−8	27.88	+2	32.06	−7	55.39	+10	48.58	−6
4	22.41	−26	42.34	−6	28.04	0	31.98	−8	55.99	+4	48.46	−8
5	23.71	−34	42.54	−3	28.21	−2	31.91	−6	56.59	−4	48.35	−7
6	25.00	−34	42.75	+1	28.38	−3	31.84	−3	57.19	−10	48.24	−4
7	26.26	−26	42.96	+6	28.55	−4	31.78	0	57.79	−14	48.14	−1
8	27.50	−11	43.18	+9	28.72	−4	31.72	+4	58.39	−15	48.04	+3
9	28.72	+7	43.40	+10	28.89	−3	31.67	+7	58.99	−14	47.95	+6
10	29.92	+27	43.62	+9	29.06	−2	31.62	+9	59.60	−9	47.86	+10
11	31.10	+42	43.85	+7	29.23	0	31.58	+10	60.20	−2	47.78	+11
12	32.25	+51	44.08	+3	29.39	+2	31.55	+9	60.81	+6	47.71	+10
13	33.38	+50	44.31	−1	29.55	+3	31.52	+6	61.41	+12	47.64	+8
14	34.50	+43	44.55	−4	29.71	+4	31.50	+3	62.02	+17	47.58	+4
15	35.59	+26	44.79	−8	29.87	+4	31.48	−2	62.62	+16	47.52	0
16	36.65	+6	45.03	−9	30.03	+3	31.46	−5	63.23	+14	47.47	−3
17	37.69	−15	45.28	−8	30.20	+2	31.45	−8	63.84	+9	47.42	−7
18	38.71	−33	45.53	−5	30.36	0	31.45	−8	64.44	+1	47.38	−8
19	39.70	−45	45.78	−2	30.52	−2	31.45	−8	65.05	−6	47.35	−8
20	40.67	−47	46.03	+2	30.68	−3	31.46	−6	65.65	−13	47.32	−7
21	41.61	−40	46.28	+5	30.84	−4	31.47	−3	66.26	−17	47.30	−4
22	42.53	−28	46.54	+7	31.00	−4	31.49	+1	66.86	−17	47.28	0
23	43.42	−11	46.80	+8	31.16	−3	31.52	+4	67.46	−14	47.26	+2
24	44.29	+6	47.06	+7	31.32	−1	31.55	+6	68.06	−9	47.25	+4
25	45.13	+11	47.33	+4	31.48	0	31.59	+6	68.66	−1	47.25	+6
26	45.95	+29	47.60	0	31.64	+2	31.63	+4	69.26	+6	47.25	+5
27	46.74	+30	47.87	−4	31.80	+4	31.67	+2	69.85	+12	47.26	+3
28	47.51	+23	48.14	−6	31.95	+4	31.72	0	70.44	+15	47.28	0
29	48.25	+11	48.41	−8	32.10	+4	31.78	−3	71.03	+16	47.30	−3
30	48.96	−5	48.69	−9	32.25	+3	31.84	−6	71.62	+13	47.32	−5
Juli 1	49.65	−19	48.97	−7	32.40	+1	31.91	−8	72.21	+7	47.35	−7
2	50.30	−31	49.25	−4	32.55	−1	31.98	−7	72.79	−1	47.39	−7
3	50.93	−33	49.53	0	32.70	−3	32.06	−5	73.37	−8	47.43	−5
4	51.53	−29	49.81	+5	32.85	−4	32.14	−1	73.95	−13	47.48	−2
sec δ, tg δ	+74.32		−74.31		+7.03		−6.96		+27.91		−27.89	

1914	Octantis 4 G. 6^m.				ζ Octantis. $6^m - 5^m$.				ι Octantis $6^m - 5^m$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$	in ^{s} 0.01	−85° 11′	in ″ 0.01	$9^h 8^m$	in ^{s} 0.01	−85° 19′	in ″ 0.01	$12^h 45^m$	in ^{s} 0.01	−84° 39′	in ″ 0.01
Juli 4	13.32	−4	40.76	−6	59.87	+5	29.12	+1	47.79	+2	57.84	+6
5	13.55	−6	40.62	−4	59.69	+6	28.90	−4	47.59	+5	57.89	+4
6	13.79	−8	40.48	0	59.52	+5	28.68	−7	47.39	+6	57.93	0
7	14.03	−8	40.35	+3	59.35	+3	28.46	−10	47.18	+6	57.97	−3
8	14.27	−6	40.22	+7	59.18	−1	28.23	−10	46.97	+5	58.00	−8
9	14.51	−4	40.10	+9	59.02	−4	28.00	−9	46.76	+3	58.03	−10
10	14.75	−1	39.98	+10	58.86	−6	27.76	−7	46.55	0	58.06	−10
11	14.99	+2	39.87	+10	58.71	−8	27.52	−4	46.34	−3	58.08	−9
12	15.23	+6	39.77	+6	58.56	−8	27.28	+1	46.13	−5	58.09	−7
13	15.47	+7	39.67	+3	58.41	−7	27.03	+5	45.92	−6	58.10	−3
14	15.71	+7	39.57	−2	58.27	−3	26.78	+8	45.71	−6	58.10	+2
15	15.95	+5	39.48	−5	58.13	0	26.53	+8	45.50	−5	58.09	+5
16	16.20	+2	39.40	−8	58.00	+3	26.28	+7	45.29	−2	58.08	+8
17	16.45	−1	39.33	−10	57.87	+7	26.02	+6	45.09	0	58.06	+9
18	16.70	−3	39.26	−9	57.74	+8	25.76	+2	44.89	+3	58.04	+9
19	16.94	−5	39.20	−7	57.62	+8	25.50	−1	44.69	+5	58.01	+7
20	17.18	−6	39.14	−3	57.50	+6	25.24	−4	44.48	+6	57.98	+3
21	17.43	−5	39.09	0	57.39	+4	24.97	−6	44.27	+6	57.94	−1
22	17.68	−4	39.04	+4	57.28	+2	24.70	−6	44.07	+4	57.89	−3
23	17.93	−1	39.00	+6	57.17	−2	24.42	−5	43.87	+2	57.84	−5
24	18.18	+2	38.96	+6	57.07	−5	24.14	−2	43.67	−1	57.78	−6
25	18.43	+4	38.93	+5	56.97	−7	23.86	+2	43.47	−4	57.72	−5
26	18.68	+6	38.91	+3	56.88	−6	23.58	+4	43.27	−5	57.65	−3
27	18.92	+7	38.89	0	56.79	−4	23.30	+7	43.07	−6	57.58	0
28	19.16	+6	38.88	−3	56.71	−2	23.02	+8	42.87	−6	57.50	+3
29	19.41	+4	38.87	−6	56.63	+1	22.73	+8	42.67	−4	57.42	+6
30	19.66	+2	38.87	−7	56.55	+4	22.44	+6	42.47	−2	57.33	+7
31	19.91	−3	38.88	−6	56.48	+5	22.15	+3	42.27	+1	57.23	+7
Aug. 1	20.16	−5	38.89	−5	56.41	+6	21.86	−1	42.08	+4	57.13	+4
2	20.41	−7	38.91	−2	56.35	+5	21.57	−6	41.89	+6	57.02	+2
3	20.66	−8	38.94	+2	56.29	+4	21.27	−9	41.70	+6	56.91	−2
4	20.90	−7	38.97	+5	56.24	+1	20.97	−10	41.51	+5	56.79	−6
5	21.14	−5	39.01	+8	56.19	−3	20.67	−10	41.32	+4	56.67	−9
6	21.39	−2	39.05	+10	56.15	−5	20.37	−8	41.13	+1	56.54	−10
7	21.64	+1	39.10	+10	56.11 56.08	−7 −8	20.07 19.77	−5 −1	40.94	−2	56.41	−10
8	21.89	+5	39.16	+7	56.05	−7	19.47	+3	40.76	−4	56.27	−8
9	22.13	+6	39.22	+4	56.03	−4	19.17	+6	40.58	−6	56.13	−5
10	22.37	+7	39.29	0	56.01	−1	18.87	+8	40.40	−6	55.98	−1
sec δ, tg δ	+11.94		−11.89		+12.26		−12.22		+10.76		−10.71	

1914	Octantis 20 G. 7^m.				Octantis 26 G. $6^m - 7^m$.				χ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 44^m$	in s 0.01	−87° 48′	in ″ 0.01	$16^h 28^m$	in s 0.01	−86° 12′	in ″ 0.01	$18^h 5^m$	in s 0.01	−87° 40′	in ″ 0.01
Juli 4	76.45	+ 1	37.39	+ 7	63.38	− 2	58.41	+ 7	20.98	− 7	4.11	+6
5	76.06	+ 8	37.59	+ 6	63.27	+ 2	58.69	+ 8	21.00	− 1	4.41	+8
6	75.66	+14	37.79	+ 4	63.16	+ 5	58.96	+ 7	21.02	+ 4	4.71	+9
7	75.25	+17	37.98	+ 1	63.04	+ 8	59.23	+ 5	21.02	+10	5.01	+8
8	74.84	+17	38.17	− 3	62.92	+10	59.50	+ 1	21.01	+15	5.31	+5
9	74.42	+14	38.35	− 7	62.79	+10	59.76	− 3	21.00	+17	5.61	+1
10	74.00	+ 9	38.53	− 9	62.66	+ 8	60.02	− 6	20.98	+17	5.91	−2
11	73.58	+ 2	38.70	−10	62.52	+ 5	60.28	− 9	20.95	+13	6.21	−6
12	73.15	− 5	38.87	− 9	62.38	+ 2	60.53	−10	20.91	+ 7	6.51	−8
13	72.71	−11	39.03	− 7	62.23	− 3	60.78	− 8	20.86	+ 1	6.81	−9
14	72.27	−14	39.19	− 2	62.08	− 7	61.03	− 5	20.80	− 6	7.11	−7
15	71.83	−14	39.34	+ 2	61.92	− 8	61.28	− 2	20.73	−11	7.40	−5
16	71.38	−12	39.48	+ 6	61.76	− 9	61.53	+ 2	20.65	−14	7.69	−1
17	70.93	− 7	39.62	+ 8	61.59	− 7	61.77	+ 6	20.56	−14	7.98	+3
18	70.47	− 1	39.76	+ 9	61.42	− 5	62.00	+ 9	20.47	−12	8.27	+6
19	70.01	+ 6	39.89	+10	61.24	− 1	62.23	+10	20.36	− 8	8.56	+8
20	69.55	+ 9	40.02	+ 8	61.06	+ 2	62.46	+ 9	20.24	− 2	8.85	+9
21	69.08	+11	40.14	+ 4	60.87	+ 5	62.68	+ 6	20.11	+ 4	9.14	+7
22	68.61	+11	40.25	0	60.68	+ 6	62.90	+ 2	19.98	+ 8	9.42	+4
23	68.13	+ 7	40.36	− 4	60.49	+ 6	63.12	− 2	19.84	+ 9	9.70	0
24	67.65	+ 1	40.46	− 6	60.29	+ 4	63.33	− 5	19.69	+ 8	9.98	−4
25	67.17	− 4	40.56	− 6	60.09	0	63.54	− 7	19.53	+ 5	10.26	−7
26	66.68	−11	40.65	− 6	59.89	− 3	63.74	− 9	19.36	+ 1	10.54	−8
27	66.19	−14	40.73	− 4	59.68	− 6	63.93	− 7	19.18	− 4	10.81	−9
28	65.70	−14	40.81	− 1	59.47	− 7	64.12	− 4	18.99	− 8	11.08	−7
29	65.21	−13	40.88	+ 3	59.25	− 8	64.31	− 1	18.79	−11	11.35	−4
30	64.71	− 8	40.95	+ 5	59.03	− 6	64.49	+ 3	18.59	−11	11.62	0
31	64.21	− 1	41.01	+ 7	58.80	− 4	64.67	+ 5	18.38	−10	11.88	+4
Aug. 1	63.71	+ 5	41.07	+ 6	58.57	0	64.85	+ 7	18.16	− 5	12.14	+7
2	63.21	+11	41.12	+ 5	58.34	+ 4	65.02	+ 7	17.93	+ 2	12.39	+9
3	62.70	+16	41.17	+ 2	58.10	+ 7	65.19	+ 6	17.69	+ 8	12.64	+8
4	62.19	+17	41.21	− 2	57.86	+10	65.35	+ 3	17.44	+13	12.89	+6
5	61.68	+16	41.24	− 5	57.62	+10	65.51	− 1	17.18	+16	13.13	+3
6	61.17	+11	41.27	− 8	57.37	+ 9	65.66	− 5	16.92	+17	13.37	−1
7	60.66	+ 5	41.29	−10	57.12	+ 7	65.81	− 8	16.65	+15	13.61	−5
8	60.15	− 2	41.31	− 9	56.87	+ 3	65.95	− 9	16.37	+10	13.84	−8
9	59.64	− 8	41.32	− 8	56.61	− 2	66.08	− 8	16.08	+ 3	14.07	−9
10	59.13	−13	41.32	− 5	56.35	− 5	66.21	− 6	15.78	− 4	14.30	−8
sec δ, tg δ	+26.18		−26.17		+15.16		−15.13		+24.59		−24.57	

1914	σ Octantis 6^m.				β Octantis 4^m–5^m.				τ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 25^m$ s	in s 0.01	−89° 13′ ″	in ″ 0.01	$22^h 37^m$ s	in s 0.01	−81° 49′ ″	in ″ 0.01	$23^h 16^m$ s	in s 0.01	−87° 56′ ″	in ″ 0.01
Juli 4	51.53	−29	49.81	+ 5	32.85	−4	32.14	− 1	13.95	−13	47.48	− 2
5	52.11	−17	50.10	+ 8	33.00	−4	32.22	+ 2	14.53	−15	47.54	+ 1
6	52.66	0	50.39	+ 9	33.15	−3	32.31	+ 6	15.10	−15	47.60	+ 5
7	53.18	+20	50.68	+10	33.29	−2	32.41	+ 9	15.67	−11	47.67	+ 9
8	53.68	+37	50.97	+ 8	33.43	−1	32.52	+10	16.23	− 4	47.74	+11
9	54.14	+48	51.26	+ 5	33.57	+1	32.63	+10	16.79	+ 3	47.81	+10
10	54.58	+51	51.55	+ 1	33.71	+3	32.75	+ 8	17.35	+10	47.89	+ 9
11	54.99	+46	51.84	− 3	33.85	+4	32.87	+ 5	17.90	+15	47.98	+ 6
12	55.37	+32	52.14	− 7	33.99	+4	33.00	0	18.45	+16	48.07	+ 1
13	55.72	+13	52.43	− 9	34.12	+3	33.13	− 3	19.00	+15	48.17	− 2
14	56.05	− 8	52.73	− 8	34.25	+2	33.26	− 7	19.54	+11	48.27	− 6
15	56.35	−28	53.02	− 6	34.38	0	33.40	− 8	20.08	+ 4	48.38	− 8
16	56.61	−42	53.32	− 3	34.51	−1	33.54	− 8	20.61	− 3	48.49	− 9
17	56.85	−48	53.62	+ 1	34.64	−3	33.69	− 7	21.13	−11	48.61	− 8
18	57.06	−46	53.92	+ 4	34.77	−4	33.84	− 4	21.65	−16	48.73	− 5
19	57.24	−35	54.22	+ 6	34.90	−4	34.00	0	22.16	−17	48.86	− 3
20	57.39	−18	54.52	+ 8	35.02	−3	34.16	+ 3	22.67	−16	48.99	+ 1
21	57.51	− 1	54.82	+ 7	35.14	−2	34.32	+ 5	23.18	−11	49.13	+ 3
22	57.60	+16	55.12	+ 5	35.26	0	34.49	+ 6	23.68	− 4	49.27	+ 5
23	57.66	+27	55.42	+ 2	35.38	+2	34.67	+ 5	24.17	+ 3	49.42	+ 6
24	57.69	+31	55.72	− 2	35.50	+3	34.85	+ 3	24.66	+10	49.58	+ 4
25	57.69	+26	56.02	− 6	35.61	+4	35.03	0	25.14	+14	49.74	+ 1
26	57.67	+15	56.31	− 8	35.72	+4	35.22	− 3	25.61	+16	49.90	− 2
27	57.62	+ 1	56.61	− 9	35.83	+3	35.41	− 5	26.08	+14	50.07	− 5
28	57.53	−15	56.91	− 8	35.94	+2	35.61	− 7	26.54	+ 9	50.25	− 7
29	57.41	−27	57.21	− 6	36.05	0	35.81	− 7	26.99	+ 2	50.43	− 7
30	57.27	−34	57.50	− 2	36.15	−2	36.01	− 6	27.44	− 5	50.61	− 6
31	57.10	−32	57.80	+ 2	36.25	−3	36.22	− 2	27.88	−11	50.80	− 4
Aug. 1	56.90	−23	58.09	+ 7	36.35	−4	36.43	+ 1	28.31	−15	50.99	0
2	56.67	− 8	58.39	+ 9	36.45	−4	36.65	+ 5	28.74	−15	51.18	+ 3
3	56.41	+11	58.68	+10	36.54	−3	36.87	+ 8	29.16	−13	51.38	+ 8
4	56.12	+30	58.97	+ 9	36.63	−2	37.09	+10	29.57	− 7	51.58	+10
5	55.81	+44	59.26	+ 6	36.72	0	37.32	+10	29.97	0	51.79	+11
6	55.47	+51	59.55	+ 3	36.81	+2	37.55	+ 9	30.36	+ 7	52.00	+ 9
7	55.09	+50	59.84	− 1	36.89	+3	37.78	+ 6	30.75	+13	52.22	+ 7
8	54.69	+39	60.13	− 5	36.97	+4	38.02	+ 2	31.12	+17	52.44	+ 4
9	54.26	+21	60.41	− 8	37.05	+4	38.26	− 2	31.49	+16	52.66	− 1
10	53.80	+ 1	60.69	− 9	37.13	+3	38.50	− 6	31.85	+13	52.89	− 5
sec δ . tg δ	+74.60		−74.59		+7.03		−6.96		+27.92		−27.90	

1914	Octantis 4 G. 6^m.				ζ Octantis 6^m-5^m.				ι Octantis 6^m-5^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$ s	in s 0.01	−85° 11′ ″	in ″ 0.01	$9^h 8^m$ s	in s 0.01	−85° 19′ ″	in ″ 0.01	$12^h 45^m$ s	in s 0.01	−84° 39′ ″	in ″ 0.01
Aug. 10	22.37	+7	39.29	0	56.01	−1	18.87	+8	40.40	−6	55.98	−1
11	22.61	+6	39.36	−4	55.99	+2	18.56	+8	40.22	−5	55.83	+4
12	22.85	+4	39.44	−8	55.98	+4	18.25	+7	40.05	−3	55.67	+7
13	23.09	+1	39.52	−9	55.97	+7	17.94	+4	39.88	−1	55.51	+9
14	23.32	−1	39.61	−10	55.97	+8	17.63	0	39.71	+2	55.34	+10
15	23.55	−4	39.70	−8	55.97	+7	17.32	−3	39.54	+4	55.17	+8
16	23.78	−6	39.80	−5	55.98	+5	17.02	−5	39.37	+6	54.99	+5
17	24.01	−6	39.91	−1	55.99	+2	16.72	−6	39.21	+6	54.81	+1
18	24.24	−5	40.02	+2	56.01	0	16.42	−6	39.05	+5	54.62	−2
19	24.46	−2	40.14	+5	56.04	−4	16.12	−3	38.89	+3	54.43	−4
20	24.68	+1	40.26	+6	56.07	−5	15.82	0	38.73	0	54.23	−6
21	24.90	+4	40.39	+6	56.10	−6	15.52	+4	38.58	−3	54.03	−5
22	25.12	+5	40.53	+4	56.14	−5	15.22	+6	38.43	−5	53.82	−3
23	25.33	+7	40.67	+1	56.18	−3	14.92	+9	38.28	−6	53.61	−1
24	25.54	+7	40.82	−1	56.23	0	14.62	+8	38.13	−6	53.40	+3
25	25.75	+5	40.97	−5	56.28	+3	14.32	+7	37.99	−5	53.18	+5
26	25.96	+3	41.12	−6	56.33	+5	14.02	+4	37.85	−3	52.96	+7
27	26.16	0	41.28	−7	56.39	+6	13.72	0	37.71	0	52.74	+7
28	26.36	−4	41.44	−6	56.45	+6	13.42	−3	37.57	+3	52.51	+5
29	26.56	−7	41.61	−3	56.52	+4	13.13	−8	37.44	+5	52.28	+3
30	26.76	−8	41.79	0	56.60	+2	12.84	−10	37.31	+6	52.04	0
31	26.95	−7	41.97	+4	56.68	−2	12.55	−10	37.18	+6	51.80	−4
Sept. 1	27.14	−6	42.16	+7	56.76	−5	12.26	−9	37.06	+4	51.56	−8
2	27.33	−3	42.35	+10	56.85	−7	11.97	−6	36.94	+2	51.31	−11
3	27.52	0	42.55	+10	56.94	−8	11.69	−3	36.83	−1	51.06	−10
4	27.70	+3	42.75	+9	57.04	−8	11.41	+2	36.72	−3	50.81	−9
5	27.88	+6	42.96	+6	57.14	−6	11.13	+5	36.61	−5	50.55	−6
6	28.06	+7	43.17	+2	57.24	−3	10.85	+7	36.50	−6	50.29	−2
7	28.23	+6	43.38	−2	57.35	+1	10.57	+8	36.40	−6	50.03	+2
8	28.40	+5	43.60	−6	57.47	+4	10.30	+7	36.30	−4	49.76	+6
9	28.57	+2	43.82	−9	57.59	+6	10.03	+5	36.21	−2	49.49	+9
10	28.73	−1	44.05	−9	57.72	+8	9.76	+1	36.12	+1	49.22	+9
11	28.89	−3	44.28	−9	57.85	+7	9.50	−2	36.03	+4	48.94	+9
12	29.04	−5	44.52	−6	57.99	+6	9.24	−4	35.95	+6	48.66	+6
13	29.19	−6	44.76	−3	58.13	+3	8.98	−6	35.87	+6	48.38	+2
14	29.34	−5	45.00	+1	58.27	+1	8.73	−6	35.79	+6	48.10	−1
15	29.48	−3	45.25	+4	58.42	−2	8.48	−4	35.72	+4	47.82	−3
16	29.62	0	45.50	+6	58.57	−5	8.23	−1	35.65	+1	47.53	−5
sec δ, tg δ	+11.94		−11.90		+12.26		−12.22		+10.75		−10.71	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m–7^m.				χ Octantis. 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 44^m$	in $0^s.01$	$-87° 48'$	in $0''.01$	$16^h 28^m$	in $0^s.01$	$-86° 13'$	in $0''.01$	$18^h 5^m$	in $0^s.01$	$-87° 40'$	in $0''.01$
Aug. 10	$59^s.13$	−13	$41''.32$	− 5	$56^s.35$	− 5	$6''.21$	− 6	$15^s.78$	− 4	$14''.30$	−8
11	58.62	−14	41.32	0	56.09	− 8	6.34	− 3	15.48	−10	14.54	−6
12	58.10	−12	41.32	+ 4	55.83	− 8	6.46	+ 1	15.17	−14	14.77	−2
13	57.58	− 9	41.31	+ 8	55.56	− 8	6.57	+ 5	14.85	−15	14.99	+1
14	57.07	− 3	41.29	+ 9	55.29	− 6	6.68	+ 8	14.52	−14	15.21	+5
15	56.56	+ 3	41.27	+10	55.02	− 2	6.79	+ 9	14.19	− 9	15.42	+8
16	56.05	+ 8	41.24	+ 8	54.75	+ 1	6.89	+ 9	13.85	− 4	15.63	+9
17	55.54	+11	41.21	+ 5	54.47	+ 4	6.98	+ 7	13.50	+ 2	15.83	+8
18	55.03	+11	41.17	+ 1	54.19	+ 6	7.07	+ 4	13.15	+ 6	16.03	+5
19	54.52	+ 9	41.12	− 2	53.91	+ 6	7.16	0	12.79	+ 9	16.22	+2
20	54.01	+ 4	41.06	− 5	53.63	+ 4	7.24	− 4	12.43	+ 8	16.41	−2
21	53.50	− 2	41.00	− 6	53.35	+ 2	7.31	− 7	12.06	+ 6	16.59	−6
22	53.00	− 8	40.93	− 7	53.06	− 2	7.38	− 8	11.68	+ 2	16.77	−8
23	52.50	−13	40.86	− 5	52.77	− 5	7.44	− 8	11.29	− 3	16.95	−9
24	52.00	−15	40.79	− 1	52.48	− 8	7.50	− 6	10.90	− 7	17.12	−8
25	51.50	−14	40.71	+ 2	52.19	− 8	7.55	− 2	10.50	−11	17.29	−5
26	51.01	−10	40.62	+ 5	51.90	− 8	7.59	+ 2	10.10	−12	17.45	−1
27	50.52	− 5	40.53	+ 6	51.61	− 5	7.63	+ 5	9.69	−10	17.61	+3
28	50.03	+ 3	40.43	+ 7	51.32	− 1	7.66	+ 7	9.27	− 6	17.76	+6
29	49.55	+ 9	40.33	+ 6	51.03	+ 3	7.69	+ 8	8.85	0	17.91	+8
30	49.07	+15	40.22	+ 3	50.74	+ 6	7.71	+ 7	8.42	+ 6	18.05	+9
31	48.59	+17	40.10	0	50.45	+ 9	7.72	+ 4	7.99	+11	18.19	+7
Sept. 1	48.11	+17	39.98	− 4	50.15	+10	7.73	+ 1	7.56	+15	18.32	+5
2	47.64	+13	39.85	− 7	49.85	+10	7.73	− 3	7.12	+17	18.44	+1
3	47.17	+ 8	39.72	−10	49.55	+ 8	7.73	− 7	6.67	+16	18.56	−3
4	46.71	0	39.58	−10	49.25	+ 4	7.72	− 9	6.22	+12	18.68	−7
5	46.25	− 6	39.44	− 8	48.95	+ 1	7.71	−10	5.77	+ 7	18.79	−8
6	45.80	−11	39.29	− 6	48.65	− 4	7.69	− 7	5.31	0	18.89	−9
7	45.35	−13	39.13	− 1	48.35	− 7	7.67	− 5	4.85	− 7	18.99	−7
8	44.91	−14	38.97	+ 2	48.05	− 8	7.64	− 1	4.39	−12	19.09	−4
9	44.47	−11	38.81	+ 6	47.75	− 9	7.60	+ 3	3.92	−14	19.18	0
10	44.04	− 5	38.64	+ 9	47.45	− 6	7.56	+ 6	3.45	−14	19.26	+4
11	43.61	+ 1	38.47	+ 9	47.16	− 4	7.51	+ 9	2.98	−11	19.34	+7
12	43.19	+ 7	38.29	+ 9	46.87	0	7.45	+10	2.51	− 6	19.41	+9
13	42.77	+10	38.11	+ 6	46.58	+ 3	7.39	+ 8	2.03	− 1	19.48	+8
14	42.36	+11	37.92	+ 3	46.29	+ 6	7.32	+ 5	1.55	+ 5	19.54	+7
15	41.96	+10	37.73	− 1	46.00	+ 6	7.25	+ 1	1.07	+ 8	19.60	+3
16	41.56	+ 6	37.53	− 4	45.71	+ 5	7.17	− 3	0.58	+ 9	19.65	0
sec δ, tg δ	+26.18		−26.17		+15.16		−15.13		+24.61		−24.59	

1914	σ Octantis 6^m.				β Octantis 4^m-5^m.				τ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 25^m$	in s 0.01	$-89^\circ 14'$	in " 0.01	$22^h 37^m$	in s 0.01	$-81^\circ 49'$	in " 0.01	$23^h 16^m$	in s 0.01	$-87^\circ 56'$	in " 0.01
Aug. 10	53.80	+ 1	0.69	− 9	37.13	+3	38.50	− 6	31.85	+13	52.89	− 5
11	53.31	−20	0.97	− 7	37.21	+1	38.75	− 8	32.20	+ 7	53.12	− 7
12	52.79	−37	1.25	− 5	37.28	−1	39.00	− 9	32.54	0	53.35	− 9
13	52.24	−46	1.53	− 1	37.35	−2	39.25	− 7	32.87	− 7	53.59	− 8
14	51.68	−47	1.80	+ 3	37.42	−3	39.51	− 6	33.19	−14	53.83	− 7
15	51.09	−39	2.07	+ 5	37.49	−4	39.77	− 2	33.51	−17	54.08	− 3
16	50.47	−25	2.34	+ 7	37.55	−4	40.03	+ 2	33.82	−17	54.33	0
17	49.82	− 7	2.61	+ 8	37.61	−2	40.29	+ 5	34.12	−13	54.58	+ 3
18	49.14	+ 9	2.87	+ 6	37.67	−1	40.55	+ 6	34.41	− 7	54.84	+ 4
19	48.43	+23	3.13	+ 3	37.72	+1	40.82	+ 6	34.69	0	55.10	+ 6
20	47.70	+30	3.39	− 1	37.77	+2	41.09	+ 4	34.95	+ 7	55.36	+ 5
21	46.94	+29	3.65	− 5	37.82	+4	41.36	+ 1	35.21	+13	55.62	+ 2
22	46.16	+20	3.90	− 7	37.87	+4	41.63	− 2	35.46	+15	55.89	− 1
23	45.35	+ 6	4.15	− 8	37.91	+4	41.91	− 5	35.70	+16	56.16	− 4
24	44.51	−10	4.39	− 8	37.95	+2	42.19	− 7	35.93	+12	56.43	− 6
25	43.65	−24	4.63	− 7	37.99	+1	42.47	− 8	36.14	+ 5	56.71	− 8
26	42.77	−32	4.87	− 4	38.02	−1	42.75	− 7	36.35	− 2	56.99	− 7
27	41.86	−35	5.11	0	38.05	−3	43.04	− 5	36.55	− 9	57.27	− 5
28	40.93	−28	5.34	+ 5	38.08	−4	43.32	0	36.73	−13	57.55	− 2
29	39.97	−15	5.57	+ 8	38.11	−4	43.61	+ 3	36.90	−15	57.83	+ 2
30	38.99	+ 4	5.80	+10	38.13	−3	43.90	+ 7	37.07	−14	58.12	+ 5
31	37.98	+22	6.02	+ 9	38.15	−2	44.19	+ 9	37.23	−10	58.41	+ 9
Sept. 1	36.95	+40	6.24	+ 7	38.17	0	44.48	+10	37.37	− 3	58.70	+11
2	35.90	+50	6.45	+ 4	38.18	+2	44.77	+ 9	37.50	+ 5	58.99	+10
3	34.83	+52	6.66	0	38.19	+3	45.06	+ 7	37.63	+11	59.28	+ 8
4	33.74	+44	6.87	− 4	38.20	+4	45.35	+ 4	37.74	+16	59.58	+ 5
5	32.63	+30	7.07	− 7	38.21	+4	45.64	− 1	37.84	+17	59.87	+ 2
6	31.49	+11	7.27	− 9	38.21	+3	45.93	− 4	37.92	+15	60.17	− 3
7	30.33	−11	7.46	− 8	38.21	+2	46.22	− 7	38.00	+10	60.47	− 7
8	29.16	−30	7.65	− 6	38.21	0	46.51	− 8	38.07	+ 3	60.77	− 8
9	27.97	−43	7.83	− 2	38.20	−2	46.81	− 8	38.12	− 5	61.07	− 9
10	26.75	−46	8.01	+ 2	38.19	−3	47.11	− 6	38.17	−11	61.37	− 7
11	25.52	−43	8.19	+ 4	38.18	−4	47.40	− 3	38.21	−17	61.67	− 5
12	24.27	−30	8.36	+ 7	38.17	−4	47.69	+ 1	38.23	−17	61.97	− 1
13	23.00	−15	8.52	+ 8	38.15	−3	47.98	+ 4	38.24	−15	62.27	+ 2
14	21.72	+ 3	8.68	+ 7	38.13	−2	48.27	+ 6	38.24	−10	62.57	+ 4
15	20.42	+18	8.83	+ 4	38.11	0	48.56	+ 6	38.23	− 3	62.87	+ 5
16	19.10	+27	8.98	+ 1	38.09	+2	48.85	+ 5	38.21	+ 5	63.18	+ 6
sec δ, tg δ	+74.88		−74.87		+7.04		−6.96		+27.95		−27.93	

1914	Octantis 4 G. 6^m.				ζ Octantis $6^m - 5^m$.				ι Octantis $6^m - 5^m$.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$	in ^{s} 0.01	$-85° 11'$	in $''$ 0.01	$9^h 8^m$	in ^{s} 0.01	$-85° 19'$	in $''$ 0.01	$12^h 45^m$	in ^{s} 0.01	$-84° 39'$	in $''$ 0.01
Sept. 16	$29^s.62$	0	$45''.50$	+ 6	$58^s.57$	−5	$8''.23$	− 1	$35^s.65$	+1	$47''.53$	− 5
17	29.76	+3	45.75	+ 6	58.72	−6	7.98	+ 2	35.59	−2	47.24	− 6
18	29.89	+6	46.01	+ 4	58.88	−5	7.74	+ 5	35.53	−4	46.95	− 4
19	30.02	+6	46.27	+ 3	59.04	−3	7.50	+ 8	35.48	−6	46.66	− 2
20	30.15	+7	46.54	− 1	59.21	−2	7.27	+ 8	35.43	−6	46.36	+ 1
21	30.27	+6	46.81	− 4	59.38	+2	7.04	+ 8	35.38	−5	46.06	+ 5
22	30.39	+4	47.08	− 6	59.55	+4	6.82	+ 6	35.34	−4	45.76	+ 6
23	30.50	+1	47.36	− 7	59.73	+6	6.60	+ 2	35.30	−1	45.46	+ 7
24	30.61	−2	47.64	− 7	59.91	+6	6.38	− 2	35.26	+2	45.16	+ 7
25	30.71	−6	47.92	− 4	60.10	+5	6.17	− 6	35.23	+4	44.86	+ 4
26	30.81	−7	48.20	− 1	60.29	+3	5.96	− 9	35.20	+6	44.56	+ 1
27	30.90	−8	48.49	+ 2	60.48	0	5.75	−10	35.18	+6	44.26	− 3
28	30.99	−7	48.78	+ 6	60.68	−4	5.55	− 9	35.17	+5	43.96	− 7
29	31.07	−4	49.07	+ 9	60.88	−6	5.35	− 8	35.16	+3	43.66	−10
30	31.15	−1	49.36	+10	61.08	−7	5.16	− 5	35.15	+1	43.35	−11
Okt. 1	31.23	+2	49.66	+10	61.29	−8	4.98	− 1	35.15	−2	43.04	−10
2	31.30	+4	49.96	+ 8	61.50	−7	4.80	+ 4	35.15	−5	42.73	− 8
3	31.37	+7	50.26	+ 4	61.71	−5	4.63	+ 7	35.16	−6	42.42	− 4
4	31.43	+7	50.56	0	61.93	−1	4.46	+ 8	35.17	−6	42.12	0
5	31.48	+5	50.86	− 5	62.15	+2	4.29	+ 8	35.19	−5	41.82	+ 5
6	31.53	+3	51.17	− 7	62.37	+5	4.13	+ 5	35.21 35.23	−3 0	41.52 41.22	+ 7 + 9
7	31.58	0	51.48	− 9	62.59	+8	3.97	+ 3	35.26	+3	40.91	+ 8
8	31.62	−3	51.79	−10	62.82	+8	3.82	− 1	35.29	+5	40.61	+ 7
9	31.66	−5	52.10	− 7	63.05	+7	3.68	− 4	35.33	+6	40.31	+ 4
10	31.69	−6	52.41	− 4	63.28	+4	3.54	− 6	35.37	+6	40.01	0
11	31.72	−6	52.72	0	63.52	+1	3.41	− 6	35.42	+5	39.71	− 3
12	31.74	−4	53.03	+ 3	63.76	−1	3.28	− 5	35.47	+2	39.41	− 4
13	31.76	−2	53.34	+ 5	64.00	−4	3.16	− 3	35.52	0	39.11	− 5
14	31.77	+1	53.66	+ 6	64.24	−6	3.05	+ 1	35.58	−3	38.81	− 5
15	31.78	+5	53.98	+ 5	64.48	−6	2.94	+ 4	35.64	−5	38.51	− 3
16	31.78	+6	54.30	+ 3	64.73	−4	2.84	+ 7	35.71	−6	38.22	+ 1
17	31.78	+7	54.62	+ 1	64.98	−2	2.74	+ 9	35.78	−6	37.93	+ 3
18	31.77	+6	54.93	− 3	65.23	0	2.65	+ 8	35.86	−4	37.64	+ 6
19	31.76	+5	55.24	− 6	65.48	+3	2.56	+ 7	35.94	−2	37.35	+ 8
20	31.74	+2	55.55	− 8	65.73	+6	2.48	+ 4	36.03	+1	37.06	+ 7
21	31.72	−1	55.86	− 8	65.99	+6	2.41	0	36.12	+3	36.78	+ 6
22	31.69	−5	56.18	− 6	66.25	+6	2.34	− 4	36.22	+5	36.50	+ 2
23	31.66	−7	56.50	− 2	66.51	+4	2.28	− 8	36.32	+6	36.22	− 1
sec δ, tg δ	+11.94		−11.90		+12.25		−12.21		+10.75		−10.70	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m–7^m.				χ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 44^m$	in ^{s} 0.01	−87° 48′	in ″ 0.01	$16^h 28^m$	in ^{s} 0.01	−86° 13′	in ″ 0.01	$18^h 4^m$	in ^{s} 0.01	−87° 40′	in ″ 0.01
Sept. 16	41.56	+6	37.53	−4	45.71	+5	7.17	−3	60.58	+9	19.65	0
17	41.17	0	37.33	−6	45.42	+3	7.09	−6	60.09	+7	19.69	−4
18	40.79	−6	37.12	−6	45.13	−1	7.00	−7	59.60	+4	19.73	−7
19	40.41	−12	36.91	−6	44.84	−4	6.90	−7	59.11	−1	19.76	−9
20	40.04	−15	36.69	−3	44.55	−7	6.80	−7	58.62	−6	19.78	−8
21	39.68	−16	36.47	0	44.27	−8	6.70	−4	58.12	−10	19.80	−6
22	39.33	−13	36.24	+4	43.99	−8	6.59	0	57.63	−12	19.81	−3
23	38.98	−7	36.01	+6	43.71	−6	6.47	+4	57.13	−12	19.82	+1
24	38.64	−1	35.78	+7	43.43	−3	6.35	+7	56.64	−9	19.82	+5
25	38.31	+8	35.54	+7	43.16	+1	6.22	+7	56.14	−4	19.82	+8
26	37.99	+12	35.30	+4	42.89	+5	6.09	+7	55.65	+3	19.81	+9
27	37.68	+17	35.06	+2	42.62	+8	5.95	+5	55.15	+9	19.79	+8
28	37.37	+17	34.81	−2	42.35	+10	5.80	+2	54.65	+14	19.77	+6
29	37.07	+15	34.56	−6	42.09	+10	5.65	−2	54.15	+17	19.74	+2
30	36.78	+11	34.31	−9	41.83	+9	5.49	−6	53.65	+17	19.70	−2
Okt. 1	36.50	+4	34.05	−10	41.57	+6	5.33	−8	53.16	+14	19.66	−5
2	36.23	−4	33.79	−10	41.32	+2	5.16	−10	52.67	+9	19.61	−8
3	35.97	−8	33.52	−7	41.07	−1	4.99	−9	52.18	+2	19.56	−9
4	35.72	−13	33.25	−4	40.82	−5	4.81	−6	51.69	−4	19.50	−8
5	35.48	−14	32.98	+1	40.58	−8	4.63	−3	51.20	−9	19.44	−5
6	35.24	−12	32.70	+4	40.34	−8	4.45	+1	50.71	−13	19.37	−2
7	35.01	−8	32.42	+8	40.10	−7	4.26	+5	50.22	−14	19.29	+2
8	34.79	−2	32.14	+9	39.87	−4	4.07	+8	49.74	−12	19.21	+6
9	34.59	+4	31.86	+9	39.64	−2	3.87	+10	49.26	−8	19.12	+8
10	34.39	+8	31.57	+8	39.41	+2	3.66	+9	48.78	−3	19.02	+9
11	34.21	+11	31.28	+4	39.19	+5	3.45	+7	48.30	+3	18.92	+8
12	34.04	+11	30.99	0	38.97	+6	3.24	+3	47.83	+7	18.81	+5
13	33.88	+8	30.70	−3	38.76	+6	3.02	−1	47.36	+9	18.70	+1
14	33.72	+3	30.40	−5	38.55	+4	2.80	−5	46.90	+8	18.58	−3
15	33.57	−4	30.10	−6	38.34	+1	2.57	−7	46.44	+5	18.46	−6
16	33.43	−9	29.80	−6	38.14	−3	2.34	−8	45.98	+1	18.33	−8
17	33.30	−14	29.50	−4	37.94	−5	2.10	−8	45.53	−4	18.20	−9
18	33.19	−15	29.20	−1	37.75	−8	1.86	−5	45.08	−9	18.06	−7
19	33.09	−14	28.90	+2	37.57	−8	1.62	−1	44.64	−12	17.91	−4
20	33.00	−10	28.60	+5	37.39	−8	1.37	+2	44.20	−12	17.76	0
21	32.92	−4	28.29	+7	37.22	−5	1.12	+6	43.77	−10	17.60	+3
22	32.85	+4	27.98	+7	37.05	−1	0.87	+7	43.34	−6	17.44	+7
23	32.79	+10	27.67	+5	36.88	+3	0.61	+8	42.91	0	17.27	+8
sec δ, tg δ	+26.16		−26.14		+15.16		−15.13		+24.62		−24.60	

1914	σ Octantis 6^m.				β Octantis. 4^m–5^m.				τ Octantis. 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19^h 24^m	in ^{s} 0.01	−89° 14′	in ″ 0.01	22^h 37^m	in ^{s} 0.01	−81° 49′	in ″ 0.01	23^h 16^m	in ^{s} 0.01	−87° 57′	in ″ 0.01
Sept. 16	79^s.10	+27	8″.98	+ 1	38^s.09	+2	48″.85	+ 5	38^s.21	+ 5	3″.18	+ 6
17	77.76	+29	9.12	− 3	38.06	+3	49.14	+ 2	38.17	+11	3.49	+ 3
18	76.41	+24	9.26	− 7	38.03	+4	49.43	− 1	38.12	+15	3.79	0
19	75.05	+11	9.39	− 8	38.00	+4	49.72	− 4	38.07	+15	4.09	− 3
20	73.67	− 4	9.52	− 9	37.96	+3	50.01	− 7	38.01	+14	4.39	− 6
21	72.28	−19	9.64	− 8	37.92	+1	50.30	− 8	37.93	+ 8	4.69	− 7
22	70.87	−30	9.75	− 5	37.88	0	50.59	− 8	37.84	+ 1	4.99	− 8
23	69.45	−36	9.86	− 1	37.84	−2	50.87	− 6	37.74	− 7	5.29	− 6
24	68.02	−32	9.97	+ 3	37.79	−3	51.15	− 2	37.63	−13	5.59	− 3
25	66.57	−22	10.07	+ 7	37.74	−4	51.43	+ 2	37.50	−15	5.89	0
26	65.12	− 5	10.16	+ 9	37.69	−4	51.71	+ 5	37.36	−15	6.19	+ 4
27	63.65	+14	10.25	+10	37.63	−3	51.98	+ 8	37.22	−12	6.49	+ 7
28	62.18	+33	10.33	+ 8	37.57	−1	52.25	+10	37.06	− 6	6.78	+10
29	60.69	+47	10.40	+ 5	37.51	+1	52.52	+10	36.89	+ 1	7.07	+11
30	59.20	+52	10.47	+ 2	37.45	+2	52.79	+ 8	36.71	+ 9	7.36	+ 9
Okt. 1	57.70	+49	10.54	− 2	37.38	+4	53.06	+ 5	36.52	+14	7.65	+ 7
2	56.19	+37	10.60	− 6	37.31	+4	53.32	+ 1	36.32	+17	7.94	+ 3
3	54.68	+19	10.65	− 8	37.24	+4	53.58	− 3	36.10	+16	8.23	− 2
4	53.16	− 1	10.70	− 8	37.17	+3	53.84	− 6	35.88	+12	8.51	− 5
5	51.63	−22	10.74	− 7	37.10	+1	54.10	− 8	35.64	+ 6	8.79	− 8
6	50.10	−38	10.77	− 4	37.02	−1	54.35	− 8	35.40	− 2	9.07	− 8
7	48.57	−46	10.80	− 0	36.94	−3	54.60	− 7	35.14	− 9	9.35	− 8
8	47.03	−45	10.82	+ 4	36.86	−4	54.85	− 5	34.87	−15	9.62	− 6
9	45.49	−37	10.83	+ 6	36.78	−4	55.09	− 1	34.60	−17	9.89	− 2
10	43.94	−21	10.84	+ 7	36.69	−3	55.33	+ 2	34.32	−17	10.16	+ 1
11	42.39	− 4	10.84	+ 7	36.60	−2	55.57	+ 5	34.02	−12	10.43	+ 3
12	40.84	+12	10.84	+ 6	36.51	−1	55.80	+ 6	33.71	− 6	10.69	+ 5
13	39.29	+25	10.83	+ 2	36.41	+1	56.03	+ 6	33.39	+ 2	10.95	+ 5
14	37.74	+29	10.82	− 1	36.31	+3	56.25	+ 3	33.07	+ 9	11.21	+ 4
15	36.19	+26	10.80	− 5	36.21	+4	56.47	0	32.73	+14	11.46	+ 2
16	34.64	+17	10.77	− 8	36.11	+4	56.69	− 3	32.38	+15	11.71	− 2
17	33.09	+ 1	10.74	− 9	36.01	+3	56.90	− 6	32.03	+15	11.96	− 5
18	31.55	−14	10.70	− 8	35.90	+2	57.11	− 7	31.66	+10	12.20	− 7
19	30.01	−28	10.65	− 6	35.80	0	57.32	− 8	31.28	+ 4	12.44	− 8
20	28.48	−35	10.60	− 3	35.69	−2	57.52	− 6	30.90	− 4	12.67	− 7
21	26.95	−36	10.54	+ 1	35.58	−3	57.72	− 4	30.51	−10	12.90	− 5
22	25.42	−27	10.48	+ 5	35.47	−4	57.91	0	30.11	−14	13.13	− 1
23	23.90	−12	10.42	+ 9	35.36	−4	58.10	+ 4	29.70	−15	13.35	+ 3
sec δ, tg δ	+75.03		−75.03		+7.04		−6.97		+27.99		−27.97	

1914	Octantis 4 G. 6^m.				ζ Octantis 6^m-5^m.				ι Octantis 6^m-5^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$1^h 42^m$	in ^{s} 0.01	−85° 11′	in $''$ 0.01	$9^h 9^m$	in ^{s} 0.01	−85° 19′	in $''$ 0.01	$12^h 45^m$	in ^{s} 0.01	−84° 39′	in $''$ 0.01
Okt. 23	31.66	−7	56.50	−2	6.51	+4	2.28	−8	36.32	+6	36.22	−1
24	31.62	−8	56.82	+1	6.77	+1	2.22	−10	36.43	+6	35.94	−5
25	31.58	−7	57.13	+5	7.03	−2	2.17	−10	36.54	+4	35.67	−8
26	31.53	−5	57.44	+9	7.29	−6	2.13	−9	36.65	+2	35.40	−11
27	31.48	−3	57.75	+10	7.55	−7	2.10	−6	36.76	−1	35.13	−10
28	31.42	+1	58.06	+10	7.81	−8	2.07	−2	36.88	−4	34.86	−9
29	31.36	+3	58.37	+9	8.08	−8	2.05	+2	37.00	−6	34.60	−6
30	31.30	+6	58.68	+6	8.35	−6	2.03	+6	37.13	−6	34.34	−1
31	31.23	+7	58.99	+1	8.62	−2	2.02	+7	37.26	−6	34.08	+2
Nov. 1	31.15	+6	59.30	−3	8.88	+1	2.02	+8	37.40	−4	33.83	+6
2	31.07	+4	59.60	−6	9.15	+4	2.02	+6	37.54	−1	33.58	+8
3	30.99	+1	59.90	−8	9.42	+6	2.03	+4	37.68	+2	33.34	+9
4	30.90	−2	60.20	−9	9.69	+8	2.05	+1	37.83	+4	33.10	+8
5	30.81	−4	60.50	−8	9.96	+7	2.07	−3	37.98	+6	32.86	+5
6	30.71	−5	60.79	−6	10.23	+5	2.10	−5	38.14	+6	32.62	+2
7	30.61	−6	61.08	−2	10.50	+3	2.14	−6	38.30	+5	32.39	−2
8	30.50	−5	61.37	+2	10.77	−1	2.18	−6	38.46	+3	32.16	−4
9	30.39	−3	61.66	+5	11.04	−2	2.23	−4	38.63	+1	31.94	−5
10	30.27	0	61.95	+6	11.31	−5	2.29	−1	38.80	−2	31.72	−6
11	30.15	+3	62.23	+6	11.58	−6	2.35	+3	38.98	−4	31.51	−4
12	30.02	+6	62.51	+4	11.85	−5	2.42	+7	39.16	−6	31.30	−1
13	29.89	+7	62.79	+2	12.12	−3	2.50	+8	39.34	−6	31.10	+2
14	29.75	+7	63.06	−2	12.38	−1	2.58	+9	39.52	−5	30.90	+5
15	29.61	+6	63.33	−4	12.64	+2	2.67	+8	39.71	−3	30.71	+7
16	29.46	+3	63.60	−7	12.91	+5	2.77	+6	39.90	0	30.52	+8
17	29.31	0	63.86	−7	13.17	+6	2.87	+1	40.09	+2	30.34	+7
18	29.16	−3	64.12	−7	13.43	+6	2.98	−3	40.29	+5	30.16	+4
19	29.00	−6	64.38	−4	13.69	+5	3.09	−6	40.49	+6	29.98	0
20	28.84	−8	64.63	−1	13.95	+3	3.21	−9	40.69	+6	29.81	−3
21	28.68	−8	64.88	+3	14.21	−1	3.34	−10	40.90	+5	29.65	−7
22	28.51	−6	65.12	+7	14.46	−5	3.47	−9	41.11	+3	29.49	−10
23	28.34	−4	65.36	+9	14.71	−7	3.61	−7	41.33	0	29.34	−11
24	28.16	−1	65.60	+10	14.96	−8	3.76	−4	41.55	−3	29.19	−9
25	27.98	+2	65.83	+10	15.21	−8	3.91	0	41.77	−5	29.05	−7
26	27.80	+5	66.06	+7	15.46	−7	4.07	+5	41.99	−6	28.92	−4
27	27.61	+7	66.28	+3	15.71	−4	4.23	+7	42.21	−6	28.79	+1
28	27.42	+7	66.50	−1	15.96	0	4.40	+7	42.43	−5	28.67	+4
29	27.22	+5	66.71	−5	16.20	+3	4.58	+7	42.66	−2	28.55	+7
sec δ, tg δ	+11.95		−11.91		+12.25		−12.21		+10.74		−10.70	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m-7^m.				χ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$14^h 44^m$	in 0.01^s	−87° 48′	in 0.01″	$16^h 28^m$	in 0.01^s	−86° 12′	in 0.01″	$18^h 4^m$	in 0.01^s	−87° 40′	in 0.01″
Okt. 23	$32^s.79$	+10	27″.67	+ 5	$36^s.88$	+ 3	60″.61	+ 8	$42^s.91$	0	17″.27	+8
24	32.74	+15	27.36	+ 3	36.72	+ 7	60.35	+ 6	42.49	+ 7	17.10	+9
25	32.70	+17	27.05	− 1	36.56	+ 9	60.08	+ 4	42.08	+12	16.92	+7
26	32.67	+16	26.74	− 5	36.41	+10	59.81	0	41.67	+16	16.73	+4
27	32.66	+13	26.43	− 8	36.27	+10	59.54	− 4	41.27	+17	16.54	0
28	32.66	+ 7	26.12	−10	36.13	+ 7	59.27	− 7	40.88	+15	16.34	−4
29	32.67	0	25.81	−10	36.00	+ 4	58.99	− 9	40.49	+12	16.14	−7
30	32.69	− 7	25.50	− 8	35.88	0	58.71	−10	40.11	+ 5	15.94	−9
31	32.72	−11	25.18	− 5	35.76	− 4	58.42	− 7	39.73	− 2	15.73	−8
Nov. 1	32.76	−13	24.87	− 2	35.65	− 6	58.13	− 4	39.36	− 8	15.52	−6
2	32.82	−13	24.55	+ 3	35.54	− 8	57.84	0	39.00	−12	15.30	−3
3	32.88	− 9	24.24	+ 6	35.44	− 7	57.55	+ 4	38.65	−14	15.08	+1
4	32.96	− 4	23.93	+ 9	35.34	− 6	57.26	+ 7	38.30	−13	14.86	+4
5	33.05	+ 2	23.61	+ 9	35.25	− 3	56.96	+ 9	37.96	−10	14.63	+7
6	33.15 33.25	+ 8 +11	23.30 22.99	+ 9 + 6	35.17	0	56.66	+ 9	37.63	− 5	14.39	+9
7	33.37	+11	22.68	+ 2	35.09	+ 4	56.36	+ 8	37.30	0	14.14	+8
8	33.50	+ 9	22.37	− 2	35.02	+ 6	56.06	+ 5	36.99	+ 6	13.88	+6
9	33.65	+ 5	22.06	− 5	34.96	+ 6	55.76	+ 1	36.68	+ 9	13.63	+3
10	33.80	− 1	21.75	− 6	34.90	+ 5	55.45	− 3	36.38	+ 9	13.37	−1
11	33.96	− 7	21.45	− 6	34.85	+ 2	55.14	− 6	36.09	+ 7	13.11	−5
12	34.13	−12	21.15	− 5	34.80	− 1	54.83	− 7	35.81	+ 2	12.85	−8
13	34.32	−16	20.85	− 2	34.76	− 5	54.52	− 7	35.54	− 3	12.58	−9
14	34.52	−15	20.55	+ 1	34.73	− 7	54.21	− 6	35.28	− 7	12.31	−8
15	34.73	−12	20.26	+ 4	34.71	− 9	53.90	− 3	35.02	−11	12.04	−6
16	34.95	− 6	19.97	+ 7	34.69	− 8	53.59	+ 1	34.77	−13	11.77	−2
17	35.18	0	19.68	+ 7	34.68	− 7	53.28	+ 5	34.53	−12	11.49	+2
18	35.42	+ 8	19.39	+ 7	34.67	− 3	52.97	+ 8	34.30	− 8	11.21	+6
19	35.67	+13	19.10	+ 4	34.67	+ 2	52.66	+ 8	34.08	− 2	10.92	+8
20	35.93	+17	18.81	+ 1	34.68	+ 5	52.34	+ 7	33.87	+ 4	10.63	+9
21	36.20	+17	18.53	− 3	34.69	+ 8	52.02	+ 5	33.67	+10	10.34	+8
22	36.49	+14	18.25	− 7	34.71	+10	51.70	+ 1	33.48	+15	10.04	+5
23	36.79	+ 9	17.97	− 9	34.74	+10	51.38	− 3	33.30	+17	9.74	+1
24	37.10	+ 3	17.70	−10	34.77	+ 8	51.07	− 6	33.13	+17	9.44	−2
25	37.42	− 5	17.43	−10	34.81	+ 5	50.75	− 9	32.97	+14	9.14	−6
26	37.74	−10	17.16	− 7	34.86	+ 2	50.43	−10	32.82	+ 8	8.83	−8
27	38.07	−13	16.89	− 3	34.92	− 2	50.11	− 9	32.68	+ 2	8.52	−9
28	38.42	−13	16.63	+ 2	34.98	− 6	49.79	− 5	32.55	− 5	8.21	−7
29	38.77	−11	16.37	+ 5	35.05	− 8	49.48	− 2	32.43	−10	7.90	−5
sec δ, tg δ	+26.12		−26.10		+15.15		−15.12		+24.60		−24.58	

1914	σ Octantis 6^m.				β Octantis 4^m–5^m.				τ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	19h 23m s	in s 0.01	−89° 14' "	in " 0.01	22h 37m s	in s 0.01	−81° 49' "	in " 0.01	23h 16m s	in s 0.01	−87° 57' "	in " 0.01
Okt. 23	83.90	−12	10.42	+ 9	35.36	−4	58.10	+ 4	29.70	−15	13.35	+ 3
24	82.39	+ 6	10.34	+10	35.25	−3	58.28	+ 7	29.28	−14	13.57	+ 6
25	80.88	+26	10.25	+ 9	35.13	−2	58.46	+ 9	28.86	− 9	13.78	+10
26	79.38	+42	10.16	+ 7	35.01	0	58.63	+10	28.42	− 2	13.99	+11
27	77.89	+51	10.06	+ 3	34.89	+2	58.80	+ 9	27.97	+ 6	14.19	+11
28	76.41	+51	9.96	− 1	34.77	+3	58.96	+ 6	27.52	+12	14.39	+ 8
29	74.94	+44	9.85	− 4	34.65	+4	59.12	+ 3	27.06	+17	14.59	+ 4
30	73.47	+28	9.74	− 7	34.52	+4	59.27	0	26.59	+17	14.78	+ 1
31	72.02	+ 7	9.62	− 9	34.40	+3	59.42	− 5	26.12	+14	14.96	− 3
Nov. 1	70.58	−13	9.49	− 8	34.27	+2	59.56	− 8	25.64	+ 9	15.14	− 7
2	69.15	−31	9.36	− 5	34.14	0	59.69	− 8	25.15	+ 1	15.32	− 8
3	67.73	−43	9.22	− 2	34.01	−2	59.82	− 8	24.65	− 6	15.49	− 8
4	66.33	−46	9.07	+ 2	33.88	−3	59.94	− 5	24.15	−12	15.65	− 6
5	64.94	−39	8.92	+ 6	33.75	−4	60.06	− 3	23.64	−17	15.81	− 4
6	63.56	−27	8.77	+ 7	33.62	−4	60.18	+ 1	23.12	−17	15.97	0
7	62.20	−11	8.61	+ 8	33.48	−3	60.29	+ 4	22.60	−14	16.12	+ 3
8	60.86	+ 7	8.44	+ 7	33.35	−1	60.39	+ 6	22.07	− 9	16.26	+ 4
9	59.53	+20	8.27	+ 4	33.22	0	60.49	+ 6	21.54	− 1	16.40	+ 5
10	58.22	+28	8.09	0	33.08	+2	60.58	+ 4	21.00	+ 6	16.53	+ 5
11	56.92	+28	7.91	− 4	32.94	+3	60.66	+ 2	20.46	+12	16.66	+ 3
12	55.64	+20	7.72	− 7	32.80	+4	60.74	− 2	19.91	+15	16.78	− 1
13	54.38	+ 7	7.53	− 8	32.66	+4	60.81	− 5	19.35	+15	16.90	− 4
14	53.14	− 9	7.33	− 9	32.52	+3	60.88	− 7	18.79	+13	17.01	− 7
15	51.92	−23	7.12	− 7	32.38	+1	60.94	− 8	18.23	+ 7	17.11	− 7
16	50.72	−34	6.91	− 4	32.24	−1	60.99	− 8	17.66	− 1	17.21	− 8
17	49.54	−36	6.69	0	32.10	−2	61.04	− 5	17.09	− 8	17.30	− 6
18	48.38	−32	6.47	+ 4	31.96	−3	61.08	− 2	16.52	−14	17.38	− 3
19	47.24	−20	6.25	+ 8	31.82	−4	61.12	+ 2	15.94	−15	17.46	+ 1
20	46.12	− 2	6.02	+ 9	31.68	−3	61.15	+ 6	15.36	−15	17.53	+ 5
21	45.02	+18	5.78	+ 9	31.54	−2	61.17	+ 9	14.77	−11	17.60	+ 8
22	43.95	+26	5.54	+ 8	31.40	−1	61.19	+10	14.18	− 4	17.66	+11
23	42.90	+49	5.29	+ 5	31.25	+1	61.20	+10	13.59	+ 3	17.72	+11
24	41.87	+53	5.04	+ 1	31.11	+3	61.20	+ 8	13.00	+10	17.77	+ 9
25	40.87	+48	4.78	− 3	30.97	+4	61.20	+ 5	12.40	+15	17.81	+ 6
26	39.89	+35	4.52	− 6	30.82	+4	61.19	+ 1	11.80	+17	17.84	+ 2
27	38.94	+16	4.26	− 9	30.67	+3	61.18	− 3	11.20	+16	17.87	− 1
28	38.01	− 4	3.99	− 8	30.53	+2	61.16	− 6	10.60	+11	17.89	− 5
29	37.11	−24	3.72	− 6	30.39	0	61.14	− 8	10.00	+ 4	17.90	− 8
sec δ, tg δ	+74.95		−74.95		+7.04		−6.97		+28.02		−28.00	

1914	Octantis 4 G. 6^m.				ζ Octantis 6^m – 5^m.				ι Octantis. 6^m – 5^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	1^h 42^m	in ^{s} 0.01	−85° 12′	in $''$ 0.01	9^h 9^m	in ^{s} 0.01	−85° 19′	in $''$ 0.01	12^h 45^m	in ^{s} 0.01	−84° 39′	in $''$ 0.01
Nov. 29	27.22	+5	6.71	−5	16.20	+3	4.58	+7	42.66	−2	28.55	+7
30	27.02	+2	6.92	−7	16.44	+6	4.76	+5	42.89	0	28.43	+9
Dez. 1	26.82	−1	7.13	−9	16.68	+7	4.95	+2	43.12	+3	28.32	+8
2	26.62	−4	7.33	−8	16.92	+8	5.15	−2	43.35	+5	28.22	+7
3	26.41	−5	7.53	−6	17.16	+6	5.35	−5	43.59	+6	28.12	+3
4	26.20	−6	7.72	−3	17.39	+4	5.56	−6	43.83	+6	28.03	−1
5	25.98	−5	7.90	0	17.62	+1	5.77	−6	44.07	+4	27.95	−4
6	25.76	−4	8.08	+4	17.85	−1	5.99	−5	44.31	+2	27.88	−5
7	25.54	−1	8.25	+6	18.07	−4	6.21	−2	44.55	−1	27.81	−5
8	25.32	+2	8.42	+6	18.29	−6	6.44	+2	44.79	−4	27.75	−5
9	25.10	+5	8.58	+5	18.50	−6	6.67	+5	45.04	−5	27.69	−2
10	24.87	+7	8.74	+2	18.71	−4	6.91	+7	45.29	−6	27.64	+1
11	24.64	+7	8.89	0	18.92	−1	7.15	+9	45.54	−6	27.59	+4
12	24.41	+6	9.03	−4	19.13	+1	7.40	+8	45.79	−4	27.55	+7
13	24.17	+4	9.17	−6	19.33	+4	7.66	+6	46.04	−2	27.52	+8
14	23.93	+2	9.30	−8	19.53	+6	7.92	+4	46.29	+1	27.49	+7
15	23.69	−2	9.43	−7	19.73	+7	8.19	−1	46.54	+4	27.47	+5
16	23.45	−4	9.56	−6	19.93	+5	8.46	−5	46.80	+6	27.46	+2
17	23.20	−7	9.68	−2	20.12	+4	8.74	−9	47.06	+6	27.45	−2
18	22.95	−8	9.79	+2	20.31	+1	9.02	−10	47.32	+6	27.45	−5
19	22.70	−7	9.90	+6	20.49	−2	9.31	−10	47.58	+4	27.45	−8
20	22.45	−5	10.00	+8	20.67	−6	9.60	−8	47.84	+1	27.46	−11
21	22.19	−2	10.10	+10	20.84	−7	9.89	−5	48.10	−2	27.48	−11
22	21.93	+1	10.19	+10	21.01	−8	10.19	−1	48.36	−4	27.51	−8
23	21.67	+4	10.27	+8	21.18	−7	10.49	+2	48.62	−6	27.54	−6
24	21.41	+5	10.34	+5	21.34	−5	10.79	+6	48.88	−6	27.58	−2
25	21.15	+7	10.41	+1	21.50	−2	11.10	+7	49.14	−5	27.62	+3
26	20.89	+6	10.47	−3	21.65	+2	11.41	+8	49.40	−3	27.67	+7
27	20.63	+3	10.53	−7	21.80	+4	11.73	+6	49.66	−1	27.73	+8
28	20.36	0	10.58	−8	21.95	+6	12.05	+3	49.92	+2	27.79	+9
29	20.09	−3	10.63	−9	22.09	+8	12.37	0	50.18	+4	27.86	+7
30	19.82	−5	10.67	−8	22.23	+7	12.70	−4	50.44	+6	27.93	+5
31	19.55	−6	10.70	−5	22.36	+5	13.03	−5	50.70	+6	28.01	+1
32	19.28	−6	10.73	−1	22.49	+2	13.36	−6	50.96	+5	28.09	−2
33	19.01	−5	10.75	+2	22.62	−1	13.70	−6	51.23	+3	28.20	−5
sec δ, tg δ	+11.96		−11.92		+12.25		−12.21		+10.74		−10.69	

1914	Octantis 20 G. 7^m.				Octantis 26 G. 6^m–7^m.				χ Octantis 6^m.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	14h 44m s	in s 0.01	−87°48′ ″	in ″ 0.01	16h 28m s	in s 0.01	−86°12′ ″	in ″ 0.01	18h 4m s	in s 0.01	−87°39′ ″	in ″ 0.01
Nov. 29	38.77	−11	16.37	+5	35.05	−8	49.48	−2	32.43	−10	67.90	−5
30	39.13	−6	16.11	+8	35.12	−8	49.17	+2	32.32	−13	67.58	−1
Dez. 1	39.50	0	15.86	+9	35.20 35.28	−7 −4	48.86 48.55	+6 +8	32.21	−13	67.26	+3
2	39.88	+6	15.61	+9	35.37	−1	48.24	+10	32.12	−11	66.94	+6
3	40.28	+10	15.37	+8	35.47	+2	47.93	+9	32.04	−7	66.62	+8
4	40.68	+11	15.13	+4	35.58	+5	47.62	+6	31.97	−1	66.30	+9
5	41.09	+11	14.89	0	35.70	+6	47.31	+2	31.91	+4	65.98	+7
6	41.51	+7	14.66	−4	35.82	+6	47.00	−2	31.86	+8	65.65	+4
7	41.94	+1	14.43	−6	35.95	+4	46.69	−5	31.83	+9	65.33	0
8	42.37	−5	14.21	−6	36.08	0	46.39	−7	31.81	+8	65.00	−4
9	42.82	−11	13.99	−5	36.22	−4	46.09	−8	31.79	+4	64.67	−7
10	43.28	−15	13.78	−4	36.37	−7	45.79	−6	31.78	0	64.34	−8
11	43.74	−15	13.57	0	36.52	−8	45.49	−4	31.79	−6	64.01	−9
12	44.21	−14	13.36	+3	36.68	−8	45.19	−1	31.80	−10	63.68	−7
13	44.69	−9	13.16	+6	36.84	−7	44.90	+3	31.82	−13	63.35	−4
14	45.18	−2	12.96	+8	37.01	−4	44.61	+6	31.86	−13	63.01	0
15	45.67	+4	12.77	+7	37.19	−1	44.32	+8	31.91	−11	62.68	+4
16	46.17	+11	12.58	+6	37.37	+4	44.03	+7	31.97	−6	62.35	+7
17	46.68	+15	12.40	+2	37.56	+7	43.75	+6	32.04	+1	62.02	+9
18	47.20	+17	12.22	−2	37.76	+10	43.47	+3	32.12	+8	61.68	+8
19	47.72	+16	12.05	−5	37.96	+10	43.19	−1	32.21	+13	61.34	+6
20	48.25	+11	11.89	−8	38.17	+9	42.91	−5	32.32	+16	61.01	+3
21	48.79	+5	11.73	−10	38.38	+7	42.64	−8	32.43	+17	60.68	−1
22	49.33	−1	11.58	−10	38.60	+3	42.37	−9	32.55	+15	60.35	−5
23	49.88	−8	11.43	−9	38.82	−1	42.11	−9	32.69 32.84	+11 +4	60.01 59.68	−8 −9
24	50.44	−12	11.28	−5	39.05	−4	41.85	−7	32.99	−3	59.35	−8
25	51.01	−13	11.14	−1	39.29	−7	41.59	−3	33.15	−8	59.02	−6
26	51.58	−12	11.01	+4	39.53	−8	41.33	+1	33.33	−12	58.69	−2
27	52.16	−8	10.88	+7	39.78	−7	41.08	+5	33.52	−13	58.36	+1
28	52.74	−2	10.76	+9	40.03	−6	40.83	+7	33.72	−12	58.03	+5
29	53.32	+3	10.64	+9	40.29	−2	40.59	+8	33.92	−8	57.71	+8
30	53.91	+9	10.53	+7	40.55	+1	40.35	+9	34.14	−3	57.39	+9
31	54.51	+12	10.42	+5	40.82	+4	40.11	+7	34.37	+2	57.07	+8
32	55.11	+11	10.32	+1	41.09	+6	39.88	+4	34.60	+6	56.75	+5
33	55.72	+9	10.22	−2	41.37	+6	39.65	0	34.84	+9	56.43	+2
sec δ, tg δ	+26.09		−26.07		+15.14		−15.11		+24.57		−24.55	

1914	σ Octantis 6ᵐ.				β Octantis 4ᵐ–5ᵐ.				τ Octantis 6ᵐ.			
	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.	AR.	☾ Gl.	Dekl.	☾ Gl.
	$19^h 23^m$ s	in 0.01 s	−89° 13′ ″	in 0.01 ″	$22^h 37^m$ s	in 0.01 s	−81° 49′ ″	in 0.01 ″	$23^h 15^m$ s	in 0.01 s	−87° 57′ ″	in 0.01 ″
Nov. 29	37.11	−24	63.72	− 6	30.39	0	61.14	− 8	70.00	+ 4	17.90	− 8
30	36.23	−38	63.45	− 3	30.25	−1	61.11	− 7	69.39	− 3	17.91	− 8
Dez. 1	35.38	−45	63.17	+ 1	30.11	−3	61.07	− 6	68.78	−10	17.91	− 7
2	34.56	−42	62.89	+ 5	29.97	−4	61.02	− 3	68.17	−15	17.90	− 4
3	33.76	−33	62.60	+ 6	29.83	−4	60.97	0	67.56	−17	17.89	− 2
4	32.99	−17	62.31	+ 8	29.69	−3	60.91	+ 3	66.95	−16	17.87	+ 2
5	32.25	0	62.01	+ 7	29.55	−2	60.85	+ 5	66.34	−11	17.85	+ 4
6	31.54	+15	61.71	+ 5	29.41	0	60.78	+ 6	65.73	− 4	17.82	+ 5
7	30.85	+25	61.41	+ 2	29.27	+2	60.70	+ 5	65.12	+ 3	17.78	+ 5
8	30.19	+29	61.11	− 2	29.13	+3	60.62	+ 3	64.51	+10	17.74	+ 4
9	29.56	+23	60.80	− 6	29.00	+4	60.53	0	63.91	+14	17.69	+ 1
10	28.96	+12	60.49	− 9	28.86	+4	60.43	− 4	63.30	+15	17.63	− 3
11	28.39	− 3	60.18	− 9	28.72	+3	60.33	− 6	62.70	+13	17.57	− 5
12	27.85	−19	59.86	− 8	28.58	+2	60.22	− 8	62.10	+ 9	17.50	− 8
13	27.34	−31	59.54	− 6	28.45	0	60.11	− 8	61.50	+ 2	17.42	− 8
14	26.86	−37	59.22	− 2	28.32	−2	59.99	− 7	60.90	− 5	17.34	− 8
15	26.41	−36	58.89	+ 2	28.19	−3	59.86	− 3	60.30	−12	17.25	− 5
16	25.99	−26	58.56	+ 6	28.06	−4	59.73	+ 1	59.70	−16	17.15	0
17	25.59	−10	58.23	+ 9	27.93	−4	59.59	+ 5	59.11	−15	17.05	+ 3
18	25.23	+10	57.90	+10	27.80	−3	59.44	+ 8	58.52	−13	16.94	+ 7
19	24.90	+29	57.57	+ 9	27.67	−2	59.29	+10	57.93	− 7	16.82	+ 9
20	24.60	+45	57.23	+ 6	27.54	0	59.13	+10	57.34	0	16.70	+11
21	24.33	+53	56.89	+ 3	27.41	+2	58.97	+ 9	56.76	+ 7	16.57	+10
22	24.09	+51	56.55	− 1	27.29	+3	58.80	+ 6	56.18	+13	16.44	+ 7
23	23.89	+42	56.21	− 5	27.17	+4	58.63	+ 2	55.61	+17	16.30	+ 4
24	23.72	+25	55.87	− 7	27.05	+4	58.45	− 1	55.04	+17	16.15	0
25	23.57	+ 4	55.52	− 9	26.93	+3	58.27	− 5	54.47	+13	16.00	− 4
26	23.46	−16	55.18	− 7	26.81	+1	58.08	− 7	53.91	+ 7	15.84	− 6
27	23.38	−33	54.83	− 5	26.69	−1	57.89	− 8	53.35	0	15.68	− 8
28	23.33	−42	54.48	− 1	26.57	−2	57.69	− 6	52.79	− 7	15.51	− 7
29	23.31	−44	54.13	+ 3	26.46	−3	57.48	− 5	52.24	−13	15.33	− 6
30	23.32	−36	53.78	+ 6	26.35	−4	57.27	− 2	51.69	−17	15.15	− 3
31	23.37	−22	53.43	+ 7	26.24	−4	57.05	+ 2	51.15	−17	14.96	0
32	23.45	−17	53.08	+ 8	26.13	−3	56.82	+ 5	50.61	−13	14.77	+ 3
33	23.55	+11	52.72	+ 6	26.03	−1	56.59	+ 6	50.08	− 7	14.57	+ 5
sec δ, tg δ	+74.71		−74.70		+7.04		−6.97		+28.02		−28.00	

1914	1) α Andromed. AR.	Δ	Dekl. +	Δ	2) β Cassiopej. AR.	Δ	Dekl. +	Δ	3) ε Phoenicis. AR.	Δ	Dekl. −	Δ	7) γ Pegasi. AR.	Δ	Dekl. +	Δ
	0ʰ 3ᵐ		28° 36′		0ʰ 4ᵐ		58° 40′		0ʰ 5ᵐ		46° 12′		0ʰ 8ᵐ		14° 42′	
Jan. 0	56.06		66.5		33.78		49.8		3.48		93.2		48.24		25.1	
10	55.93	13	65.6	9	33.48	30	49.1	7	3.29	19	92.8	4	48.14	10	24.4	7
20	55.80	13	64.5	11	33.19	29	47.9	12	3.11	18	91.9	9	48.03	11	23.5	9
30	55.69	11	63.1	14	32.93	26	46.3	16	2.96	15	90.6	13	47.94	9	22.5	10
Febr. 9	55.60	9	61.7	14	32.70	23	44.2	21	2.84	12	88.9	17	47.87	7	21.5	10
19	55.53	7	60.1	16	32.52	18	41.9	23	2.75	9	86.8	21	47.81	6	20.6	9
März 1	55.50	3	58.5	16	32.40	12	39.3	26	2.69	6	84.4	24	47.78	3	19.7	9
11	55.50	0	57.0	15	32.35	5	36.7	26	2.68	1	81.7	27	47.79	1	19.0	7
21	55.54	4	55.6	14	32.37	2	34.0	27	2.71	3	78.9	28	47.82	3	18.4	6
31	[22] 55.64	10	54.4	12	[22] 32.49	12	31.3	27	[22] 2.80	9	75.5	34	[23] 47.91	9	18.0	4
April 10	55.77	13	53.6	8	32.68	19	29.1	22	2.94	14	72.3	32	48.03	12	18.0	0
20	55.95	18	53.1	5	32.94	26	27.2	19	3.13	19	69.2	31	48.20	17	18.2	2
30	56.18	23	53.0	1	33.27	33	25.7	15	3.37	24	66.0	32	48.41	21	18.8	6
Mai 10	56.45	27	53.3	3	33.67	40	24.6	11	3.66	29	62.9	31	48.65	24	19.7	9
20	56.75	30	53.9	6	34.12	45	24.1	5	3.99	33	60.1	28	48.92	27	20.9	12
30	57.07	32	54.9	10	34.61	49	24.1	0	4.35	36	57.4	27	49.23	31	22.4	15
Juni 9	57.42	35	56.3	14	35.13	52	24.6	5	4.74	39	55.0	24	49.54	31	24.1	17
19	57.77	35	58.0	17	35.65	52	25.7	11	5.15	41	53.0	20	49.87	33	26.0	19
29	58.13	36	60.0	20	36.17	52	27.2	15	5.57	42	51.4	16	50.21	34	28.1	21
Juli 9	58.47	34	62.2	22	36.67	50	29.2	20	5.98	41	50.2	12	50.53	32	30.3	22
19	58.80	33	64.6	24	37.15	48	31.6	24	6.38	40	49.5	7	50.84	31	32.5	22
29	59.11	31	67.2	26	37.59	44	34.3	27	6.75	37	49.2	3	51.13	29	34.7	22
Aug. 8	59.38	27	69.7	25	37.98	39	37.3	30	7.09	34	49.5	3	51.40	27	36.9	22
18	59.61	23	72.3	26	38.31	33	40.5	32	7.38	29	50.2	7	51.62	22	38.9	20
28	59.81	20	74.8	25	38.58	27	43.9	34	7.62	24	51.4	12	51.82	20	40.8	19
Sept. 7	59.97	16	77.2	24	38.80	22	47.4	35	7.81	19	52.9	15	51.97	15	42.6	18
17	60.08	11	79.5	23	38.96	16	50.9	35	7.95	14	54.7	18	52.09	12	44.1	15
27	60.16	8	81.6	21	39.05	9	54.3	34	8.02	7	56.8	21	52.17	8	45.5	14
Okt. 7	60.20	4	83.5	19	39.07	2	57.5	32	8.04	2	59.0	22	52.21	4	46.6	11
17	60.20	0	85.2	17	39.04	3	60.6	31	8.01	3	61.3	23	52.22	1	47.5	9
27	60.18	2	86.6	14	38.95	9	63.5	29	7.93	8	63.5	22	52.21	1	48.1	6
Nov. 6	60.12	6	87.7	11	38.81	14	66.0	25	7.81	12	65.6	21	52.17	4	48.5	4
16	60.04	8	88.6	9	38.62	19	68.1	21	7.66	15	67.5	19	52.11	6	48.8	3
26	59.95	9	89.1	5	38.40	22	69.8	17	7.48	18	69.0	15	52.02	9	48.8	0
Dez. 6	59.83	12	89.3	2	38.15	25	71.0	12	7.29	19	70.2	12	51.93	9	48.6	2
16	59.71	12	89.2	1	37.87	28	71.7	7	7.08	21	71.0	8	51.83	10	48.2	4
26	59.58	13	88.8	4	37.57	30	71.9	2	6.88	20	71.3	3	51.72	11	47.6	6
36	59.45	13	88.1	7	37.27	30	71.5	4	6.68	20	71.2	1	51.62	10	46.9	7
Mittl. Ort	56.34		56.3		34.82		31.5		2.92		79.3		48.32		19.5	
sec δ, tg δ	1.139		+0.545		1.924		+1.643		1.445		−1.044		1.034		+0.262	

1914	9) ι Ceti. AR.	Δ	Dekl.	Δ	10) ζ Tucanae. AR.	Δ	Dekl.	Δ	11) β Hydri. AR.	Δ	Dekl.	Δ	12) α Phoenicis. AR.	Δ	Dekl.	Δ
	$0^h\ 15^m$		$9°\ 17'$		$0^h\ 15^m$		$-65°\ 22'$		$0^h\ 21^m$		$-77°\ 43'$		$0^h\ 22^m$		$-42°\ 45'$	
Jan. 0	2.97		65.0		36.96		66.0		17.41		96.7		2.73		95.8	
10	2.87	10	65.5	5	36.57	39	65.2	8	16.52	89	95.7	10	2.55	18	95.6	2
20	2.77	10	65.8	3	36.20	37	63.7	15	15.68	84	94.0	17	2.38	17	95.0	6
30	2.69	8	66.0	2	35.87	33	61.8	19	14.92	76	91.8	22	2.23	15	94.0	10
Febr. 9	2.62	7	65.9	1	35.59	28	59.4	24	14.26	66	89.1	27	2.09	14	92.5	15
19	2.56	6	65.7	2	35.37	22	56.6	28	13.72	54	86.0	31	1.99	10	90.7	18
März 1	2.53	3	65.3	4	35.21	16	53.4	32	13.31	41	82.6	34	1.92	7	88.6	21
11	2.53	0	64.7	6	35.12	9	50.0	34	13.05	26	78.9	37	1.89	3	86.1	25
21	2.56	3	63.8	9	35.11	1	46.4	36	12.95	10	75.1	38	1.90	1	83.4	27
31	[25] 2.64	8	62.6	12	[25] 35.19	8	42.3	41	[26] 13.01	6	70.8	43	[27] 1.96	6	80.2	32
April 10	2.75	11	61.2	14	35.35	16	38.6	37	13.22	21	66.9	39	2.07	11	77.2	30
20	2.91	16	59.6	16	35.59	24	34.9	37	13.59	37	63.1	38	2.23	16	74.1	31
30	3.10	19	57.8	18	35.91	32	31.3	36	14.11	52	59.5	36	2.44	21	70.9	32
Mai 10	3.33	23	55.8	20	36.30	39	27.9	34	14.77	66	56.1	34	2.70	26	67.8	31
20	3.59	26	53.7	21	36.76	46	24.9	30	15.55	78	53.1	30	3.00	30	64.9	29
30	3.88	29	51.6	21	37.28	52	22.1	28	16.45	90	50.4	27	3.33	33	62.2	27
Juni 9	4.19	31	49.4	22	37.84	56	19.7	24	17.43	98	48.2	22	3.70	37	59.7	25
19	4.51	32	47.2	22	38.44	60	17.9	18	18.48	105	46.5	17	4.08	38	57.5	22
29	4.83	32	45.1	21	39.05	61	16.5	14	19.57	109	45.3	12	4.48	40	55.6	19
Juli 9	5.16	33	43.1	20	39.67	62	15.6	9	20.67	110	44.7	6	4.87	39	54.2	14
19	5.47	31	41.4	17	40.27	60	15.3	3	21.74	107	44.7	0	5.26	39	53.2	10
29	5.76	29	39.8	16	40.84	57	15.5	2	22.77	103	45.2	5	5.62	36	52.7	5
Aug. 8	6.02	26	38.5	13	41.36	52	16.4	9	23.73	96	46.3	11	5.95	33	52.7	0
18	6.26	24	37.5	10	41.81	45	17.7	13	24.55	82	48.0	17	6.25	30	53.2	5
28	6.46	20	36.8	7	42.20	39	19.4	17	25.25	70	50.0	20	6.50	25	54.1	9
Sept. 7	6.62	16	36.3	5	42.49	29	21.6	22	25.80	55	52.5	25	6.70	20	55.4	13
17	6.74	12	36.2	1	42.70	21	24.0	24	26.16	36	55.3	28	6.85	15	57.0	16
27	6.82	8	36.3	1	42.81	11	26.7	27	26.34	18	58.2	29	6.95	10	58.8	18
Okt. 7	6.87	5	36.6	3	42.82	1	29.5	28	26.33	1	61.2	30	7.00	5	61.0	22
17	6.88	1	37.2	6	42.74	8	32.3	28	26.13	20	64.2	30	6.99	1	63.3	23
27	6.87	1	37.9	7	42.58	16	35.0	27	25.76	37	67.0	28	6.94	5	65.5	22
Nov. 6	6.83	4	38.7	8	42.34	24	37.4	24	25.22	54	69.5	25	6.85	9	67.6	21
16	6.77	6	39.5	8	42.04	30	39.5	21	24.55	67	71.7	22	6.73	12	69.6	20
26	6.69	8	40.4	9	41.69	35	41.2	17	23.76	79	73.3	16	6.58	15	71.3	17
Dez. 6	6.60	9	41.2	8	41.30	39	42.3	11	22.90	86	74.4	11	6.41	17	72.6	13
16	6.50	10	41.9	7	40.89	41	43.0	7	21.98	92	74.9	5	6.23	18	73.6	10
26	6.40	10	42.6	7	40.47	42	43.0	0	21.04	94	74.8	1	6.04	19	74.1	5
36	6.29	11	43.2	6	40.06	41	42.5	5	20.12	92	74.1	7	5.86	18	74.2	1
Mittl. Ort	2.77		62.4		35.80		49.0		15.04		78.8		2.10		83.2	
sec δ, tg δ	1.013		—0.164		2.400		—2.182		4.708		—4.600		1.362		—0.925	

1914	13) 12 Ceti.				17) ζ Cassiopej.				18) π Andromed.				20) δ Andromed.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	0h 25m		4° 25′		0h 32m		53° 25′		0h 32m		33° 14′		0h 34m		30° 23′	
Jan. 0	39.21		57.3		9.80		43.6		16.87		58.5		43.42		38.0	
		10		6		25		4		15		7		13		7
10	39.11		57.9		9.55		43.2		16.72		57.8		43.29		37.3	
		10		4		25		9		14		9		14		9
20	39.01		58.3		9.30		42.3		16.58		56.9		43.15		36.4	
		9		4		23		13		14		12		13		12
30	38.92		58.7		9.07		41.0		16.44		55.7		43.02		35.2	
		8		2		22		18		12		14		12		13
Febr. 9	38.84		58.9		8.85		39.2		16.32		54.3		42.90		33.9	
		6		0		18		20		10		16		9		15
19	38.78		58.9		8.67		37.2		16.22		52.7		42.81		32.4	
		4		1		13		23		7		16		7		15
März 1	38.74		58.8		8.54		34.9		16.15		51.1		42.74		30.9	
		1		4		7		24		3		17		3		15
11	38.73	—	58.4		8.47		32.5		16.12		49.4		42.71		29.4	
		2		6		2		24		0		16		0		14
21	38.75		57.8		8.45	—	30.1		16.12		47.8		42.71		28.0	
		7		9		6		25		6		15		6		14
31	[28] 38.82		56.9		[29] 8.51		27.6		[29] 16.18		46.3		[30] 42.77		26.6	
		10		11		13		21		11		11		11		10
April 10	38.92		55.8		8.64		25.5		16.29		45.2		42.88		25.6	
		14		13		20		18		16		9		15		7
20	39.06		54.5		8.84		23.7		16.45		44.3		43.03		24.9	
		19		16		27		15		21		4		21		3
30	39.25		52.9		9.11		22.2		16.66		43.9		43.24		24.6	
		22		17		33		10		26		2		24		0
Mai 10	39.47		51.2		9.44		21.2		16.92		43.7	—	43.48		24.6	
		25		19		38		6		29		3		28		4
20	39.72		49.3		9.82		20.6		17.21		44.0		43.76		25.0	
		28		21		42		1		32		7		32		7
30	40.00		47.2		10.24		20.5	—	17.53		44.7		44.08		25.7	
		31		21		45		4		35		11		34		11
Juni 9	40.31		45.1		10.69		20.9		17.88		45.8		44.42		26.8	
		32		21		47		9		37		14		36		15
19	40.63		43.0		11.16		21.8		18.25		47.2		44.78		28.3	
		32		21		47		13		37		17		36		18
29	40.95		40.9		11.63		23.1		18.62		48.9		45.14		30.1	
		32		21		47		18		36		20		35		20
Juli 9	41.27		38.8		12.10		24.9		18.98		50.9		45.49		32.1	
		31		19		45		21		35		22		35		22
19	41.58		36.9		12.55		27.0		19.33		53.1		45.84		34.3	
		30		17		42		25		33		25		33		24
29	41.88		35.2		12.97		29.5		19.66		55.6		46.17		36.7	
		26		15		39		27		31		25		30		24
Aug. 8	42.14		33.7		13.36		32.2		19.97		58.1		46.47		39.1	
		24		12		34		30		27		26		26		25
18	42.38		32.5		13.70		35.2		20.24		60.7		46.73		41.6	
		21		10		30		31		23		26		24		25
28	42.59		31.5		14.00		38.3		20.47		63.3		46.97		44.1	
		17		7		24		32		19		25		19		24
Sept. 7	42.76		30.8		14.24		41.5		20.66		65.8		47.16		46.5	
		14		5		19		32		16		24		15		23
17	42.90		30.3		14.43		44.7		20.82		68.2		47.31		48.8	
		9		2		13		32		11		24		11		22
27	42.99		30.1	—	14.56		47.9		20.93		70.6		47.42		51.0	
		5		1		8		31		7		21		8		20
Okt. 7	43.04		30.2		14.64		51.0		21.00		72.7		47.50		53.0	
		3		3		3		30		4		20		4		18
17	43.07		30.5		14.67	—	54.0		21.04		74.7		47.54		54.8	
		0		4		2		27		0		17		1		16
27	43.07		30.9		14.65		56.7		21.04		76.4		47.55	—	56.4	
		3		6		7		25		2		15		2		13
Nov. 6	43.04		31.5		14.58		59.2		21.02		77.9		47.53		57.7	
		5		7		11		21		6		12		5		10
16	42.99		32.2		14.47		61.3		20.96		79.1		47.48		58.7	
		7		7		15		17		8		8		7		7
26	42.92		32.9		14.32		63.0		20.88		79.9		47.41		59.4	
		8		7		18		13		10		6		10		5
Dez. 6	42.84		33.6		14.14		64.3		20.78		80.5		47.31		59.9	
		10		8		21		9		12		1		11		1
16	42.74		34.4		13.93		65.2		20.66		80.6	—	47.20		60.0	—
		10		7		23		3		14		1		13		2
26	42.64		35.1		13.70		65.5	—	20.52		80.5		47.07		59.8	
		10		6		25		2		14		5		13		5
36	42.54		35.7		13.45		65.3		20.38		80.0		46.94		59.3	
Mittl. Ort	39.00		56.8		10.32		25.4		17.01		45.8		43.51		26.0	
sec δ, tg δ	1.003		−0.077		1.678		+1.348		1.196		+0.655		1.159		+0.586	

1914	21) α Cassiopej.				22) β Ceti.				24) 21 Cassiopej.				25) ο Cassiopej.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. +	
	$0^h 35^m$		56° 3′		$0^h 39^m$		18° 27′		$0^h 39^m$		74° 30′		$0^h 39^m$		47° 48′	
Jan. 0	36.52	28	76.0	3	16.83	12	35.5	5	55.16	71	87.5	1	55.25	20	66.9	4
10	36.24	27	75.7	9	16.71	11	36.0	2	54.45	69	87.6	6	55.05	21	66.5	9
20	35.97	26	74.8	13	16.60	11	36.2	1	53.76	66	87.0	11	54.84	20	65.6	12
30	35.71	24	73.5	17	16.49	10	36.1	4	53.10	61	85.9	16	54.64	18	64.4	16
Febr. 9	35.47	20	71.8	21	16.39	7	35.7	6	52.49	52	84.3	22	54.46	16	62.8	19
19	35.27	15	69.7	23	16.32	5	35.1	9	51.97	41	82.1	25	54.30	12	60.9	21
März 1	35.12	9	67.4	24	16.27	4	34.2	11	51.56	28	79.6	28	54.18	7	58.8	22
11	35.03	2	65.0	25	16.23	1	33.1	14	51.28	14	76.8	28	54.11	1	56.6	22
21	35.01	5	62.5	27	16.24	4	31.7	17	51.14	1	74.0	30	54.10	4	54.4	20
31	[30] 35.06	13	59.8	22	16.28	9	30.0	20	51.15	20	71.0	30	54.14	12	52.4	21
April 10	35.19	20	57.6	20	[31] 16.37	13	28.0	21	[31] 51.35	34	68.0	26	[31] 54.26	18	50.3	16
20	35.39	28	55.6	15	16.50	17	25.9	22	51.69	48	65.4	23	54.44	23	48.7	13
30	35.67	34	54.1	12	16.67	21	23.7	24	52.17	61	63.1	19	54.67	29	47.4	8
Mai 10	36.01	40	52.9	7	16.88	25	21.3	25	52.78	72	61.2	14	54.96	34	46.6	5
20	36.41	44	52.2	3	17.13	28	18.8	24	53.50	80	59.8	9	55.30	38	46.1	1
30	36.85	47	51.9	3	17.41	30	16.4	24	54.30	87	58.9	3	55.68	41	46.2	5
Juni 9	37.32	49	52.2	8	17.71	32	14.0	23	55.17	91	58.6	2	56.09	43	46.7	9
19	37.81	50	53.0	12	18.03	34	11.7	21	56.08	92	58.8	7	56.52	43	47.6	14
29	38.31	50	54.2	17	18.37	33	9.6	20	57.00	91	59.5	13	56.95	43	49.0	18
Juli 9	38.81	47	55.9	21	18.70	32	7.6	16	57.91	88	60.8	17	57.38	42	50.8	21
19	39.28	45	58.0	24	19.02	31	6.0	14	58.79	84	62.5	22	57.80	39	52.9	24
29	39.73	41	60.4	28	19.33	29	4.6	10	59.63	76	64.7	27	58.19	36	55.3	27
Aug. 8	40.14	37	63.2	29	19.62	25	3.6	7	60.39	68	67.4	30	58.55	33	58.0	28
18	40.51	31	66.1	31	19.87	23	2.9	3	61.07	59	70.4	32	58.88	28	60.8	29
28	40.82	26	69.2	33	20.10	19	2.6	0	61.66	48	73.6	35	59.16	23	63.7	30
Sept. 7	41.08	21	72.5	33	20.29	14	2.6	3	62.14	37	77.1	37	59.39	19	66.7	30
17	41.29	15	75.8	33	20.43	11	2.9	7	62.51	25	80.8	37	59.58	13	69.7	30
27	41.44	8	79.1	32	20.54	7	3.6	9	62.76	14	84.5	37	59.71	9	72.7	29
Okt. 7	41.52	3	82.3	30	20.61	4	4.5	11	62.90	1	88.2	37	59.80	5	75.6	27
17	41.55	2	85.3	29	20.65	0	5.6	12	62.91	10	91.9	35	59.85	0	78.3	25
27	41.53	7	88.2	26	20.65	3	6.8	13	62.81	21	95.4	32	59.85	4	80.8	22
Nov. 6	41.46	12	90.8	22	20.62	5	8.1	13	62.60	33	98.6	30	59.81	8	83.0	19
16	41.34	16	93.0	19	20.57	7	9.4	12	62.27	43	101.6	26	59.73	11	84.9	15
26	41.18	19	94.9	14	20.50	9	10.6	12	61.84	51	104.2	20	59.62	14	86.4	12
Dez. 6	40.99	23	96.3	9	20.41	11	11.8	9	61.33	59	106.2	16	59.48	17	87.6	7
16	40.76	25	97.2	5	20.30	11	12.7	8	60.74	65	107.8	10	59.31	19	88.3	2
26	40.51	27	97.7	1	20.19	12	13.5	6	60.09	69	108.8	4	59.12	20	88.5	1
36	40.24		97.6		20.07		14.1		59.40		109.2		58.92		88.4	
Mittl. Ort	37.08		57.0		16.39		30.7		56.75		65.3		55.57		49.8	
sec δ, tg δ	1.791		+1.486		1.054		−0.334		3.746		+3.610		1.489		+1.103	

1914	27) ζ Andromed.				32) γ Cassiopej.				33) μ Andromed.				35) α Sculptoris.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	$0^h\ 42^m$		$23^\circ\ 47'$		$0^h\ 51^m$		$60^\circ\ 14'$		$0^h\ 51^m$		$38^\circ\ 1'$		$0^h\ 54^m$		$29^\circ\ 48'$	
Jan. 0	46.65	12	68.2	7	29.93	32	84.9	1	58.42	16	74.0	4	28.40	14	87.7	4
10	46.53	12	67.5	8	29.61	32	84.8	7	58.26	16	73.6	8	28.26	14	88.1	0
20	46.41	13	66.7	10	29.29	32	84.1	11	58.10	16	72.8	11	28.12	14	88.1	4
30	46.28	11	65.7	11	28.97	29	83.0	15	57.94	15	71.7	14	27.98	12	87.7	7
Febr. 9	46.17	9	64.6	12	28.68	25	81.5	19	57.79	13	70.3	15	27.86	11	87.0	11
19	46.08	6	63.4	13	28.43	21	79.6	23	57.66	10	68.8	18	27.75	9	85.9	14
März 1	46.02	4	62.1	11	28.22	13	77.3	25	57.56	6	67.0	17	27.66	6	84.5	17
11	45.98	1	61.0	11	28.09	7	74.8	26	57.50	2	65.3	17	27.60	2	82.8	20
21	45.99	4	59.9	9	28.02	2	72.2	26	57.48	4	63.6	17	27.58	2	80.8	23
31	46.03	10	59.0	7	28.04	11	69.6	26	57.52	10	61.9	16	27.60	7	78.5	27
April 10	46.13	14	58.3	3	28.15	20	67.0	21	57.62	14	60.3	11	27.67	12	75.8	26
20	46.27	18	58.0	0	28.35	28	64.9	19	57.76	19	59.2	8	27.79	15	73.2	28
30	46.45	23	58.0	3	28.63	35	63.0	15	57.95	25	58.4	5	27.94	20	70.4	28
Mai 10	46.68	27	58.3	6	28.98	41	61.5	10	58.20	30	57.9	1	28.14	25	67.6	28
20	46.95	29	58.9	10	29.39	47	60.5	5	58.50	32	57.8	3	28.39	28	64.8	27
30	47.24	33	59.9	13	29.86	51	60.0	1	58.82	36	58.1	8	28.67	31	62.1	27
Juni 9	47.57	33	61.2	16	30.37	54	59.9	5	59.18	38	58.9	11	28.98	33	59.4	24
19	47.90	35	62.8	18	30.91	55	60.4	9	59.56	38	60.0	15	29.31	34	57.0	22
29	48.25	34	64.6	20	31.46	55	61.3	14	59.94	39	61.5	18	29.65	35	54.8	19
Juli 9	48.59	34	66.6	21	32.01	53	62.7	19	60.33	37	63.3	20	30.00	35	52.9	15
19	48.93	31	68.7	23	32.54	51	64.6	22	60.70	36	65.3	23	30.35	33	51.4	11
29	49.24	29	71.0	23	33.05	47	66.8	26	61.06	34	67.6	25	30.68	31	50.3	8
Aug. 8	49.53	27	73.3	22	33.52	42	69.4	28	61.40	30	70.1	26	30.99	28	49.5	3
18	49.80	23	75.5	22	33.94	37	72.2	31	61.70	26	72.7	26	31.27	25	49.2	2
28	50.03	19	77.7	21	34.31	32	75.3	33	61.96	22	75.3	26	31.52	21	49.4	5
Sept. 7	50.22	16	79.8	20	34.63	25	78.6	33	62.18	19	77.9	26	31.73	17	49.9	9
17	50.38	12	81.8	18	34.88	19	81.9	34	62.37	14	80.5	25	31.90	13	50.8	13
27	50.50	8	83.6	16	35.07	13	85.3	33	62.51	10	83.0	24	32.03	9	52.1	15
Okt. 7	50.58	5	85.2	14	35.20	7	88.6	32	62.61	7	85.4	22	32.12	4	53.6	17
17	50.63	2	86.6	13	35.27	0	91.8	31	62.68	2	87.6	20	32.16	1	55.3	18
27	50.65	1	87.9	9	35.27	5	94.9	28	62.70	0	89.6	18	32.17	3	57.1	19
Nov. 6	50.64	4	88.8	7	35.22	12	97.7	25	62.70	5	91.4	15	32.14	6	59.0	18
16	50.60	6	89.5	5	35.10	16	100.2	22	62.65	7	92.9	12	32.08	9	60.8	16
26	50.54	8	90.0	2	34.94	21	102.4	17	62.58	10	94.1	8	31.99	10	62.4	15
Dez. 6	50.46	9	90.2	0	34.73	26	104.1	12	62.48	12	94.9	5	31.89	12	63.9	12
16	50.37	12	90.2	3	34.47	28	105.3	7	62.36	14	95.4	1	31.77	14	65.1	9
26	50.25	12	89.9	5	34.19	31	106.0	2	62.22	15	95.5	3	31.63	14	66.0	6
36	50.13		89.4		33.88		106.2		62.07		95.2		31.49		66.6	
Mittl. Ort	46.61		58.1		30.42		64.5		58.47		59.2		27.74		79.8	
sec δ, tg δ	1.093		+0.441		2.015		+1.750		1.270		+0.782		1.153		−0.573	

1914	36) ε Piscium. AR.	36) ε Piscium. Dekl. +	38) β Phoenicis. AR.	38) β Phoenicis. Dekl. −	42) β Andromed. AR.	42) β Andromed. Dekl. +	45) υ Piscium. AR.	45) υ Piscium. Dekl. +
	$0^h\ 58^m$	7° 25′	$1^h\ 2^m$	47° 10′	$1^h\ 4^m$	35° 9′	$1^h\ 14^m$	26° 48′
Jan. 0	28.99s	43.4″	15.82s	57.4″	54.81s	68.0″	44.37s	56.3″
	11	6	22	1	15	4	13	5
10	28.88	42.8	15.60	57.5	54.66	67.6	44.24	55.8
	11	7	22	3	16	7	13	6
20	28.77	42.1	15.38	57.2	54.50	66.9	44.11	55.2
	11	6	20	8	15	10	14	8
30	28.66	41.5	15.18	56.4	54.35	65.9	43.97	54.4
	10	6	20	13	15	12	13	11
Febr. 9	28.56	40.9	14.98	55.1	54.20	64.7	43.84	53.3
	8	5	17	17	13	14	12	11
19	28.48	40.4	14.81	53.4	54.07	63.3	43.72	52.2
	7	5	14	22	10	15	9	12
März 1	28.41	39.9	14.67	51.2	53.97	61.8	43.63	51.0
	5	3	10	25	7	17	7	12
11	28.36	39.6	14.57	48.7	53.90	60.1	43.56	49.8
	1	1	7	27	3	15	3	12
21	28.35	39.5	14.50	46.0	53.87	58.6	43.53	48.6
	3	1	0	31	2	15	1	10
31	28.38	39.6	14.50	42.9	53.89	57.1	43.54	47.6
	8	4	5	35	8	15	5	9
April 10	[6] 28.46	40.0	[7] 14.55	39.4	[7] 53.97	55.6	[10] 43.59	46.7
	11	5	10	33	12	10	12	6
20	28.57	40.5	14.65	36.1	54.09	54.6	43.71	46.1
	16	9	16	34	18	8	16	3
30	28.73	41.4	14.81	32.7	54.27	53.8	43.87	45.8
	20	11	21	33	23	4	20	0
Mai 10	28.93	42.5	15.02	29.4	54.50	53.4	44.07	45.8
	24	14	26	33	27	0	25	3
20	29.17	43.9	15.28	26.1	54.77	53.4	44.32	46.1
	26	15	31	30	31	4	28	7
30	29.43	45.4	15.59	23.1	55.08	53.8	44.60	46.8
	30	18	35	29	35	7	32	9
Juni 9	29.73	47.2	15.94	20.2	55.43	54.5	44.92	47.7
	31	19	38	25	36	11	34	13
19	30.04	49.1	16.32	17.7	55.79	55.6	45.26	49.0
	32	20	40	21	38	14	35	16
29	30.36	51.1	16.72	15.6	56.17	57.0	45.61	50.6
	33	20	41	17	37	17	35	17
Juli 9	30.69	53.1	17.13	13.9	56.54	58.7	45.96	52.3
	32	20	41	13	37	20	35	20
19	31.01	55.1	17.54	12.6	56.91	60.7	46.31	54.3
	31	20	39	7	36	22	34	21
29	31.32	57.1	17.93	11.9	57.27	62.9	46.65	56.4
	28	19	38	2	33	23	31	21
Aug. 8	31.60	59.0	18.31	11.7	57.60	65.2	46.96	58.5
	26	17	34	3	30	24	29	22
18	31.86	60.7	18.65	12.0	57.90	67.6	47.25	60.7
	23	15	31	8	27	25	27	22
28	32.09	62.2	18.96	12.8	58.17	70.1	47.52	62.9
	20	13	25	12	24	25	23	21
Sept. 7	32.29	63.5	19.21	14.0	58.41	72.6	47.75	65.0
	17	11	21	17	19	24	19	21
17	32.46	64.6	19.42	15.7	58.60	75.0	47.94	67.1
	13	8	15	21	16	24	16	19
27	32.59	65.4	19.57	17.8	58.76	77.4	48.10	69.0
	9	7	10	22	12	22	12	17
Okt. 7	32.68	66.1	19.67	20.0	58.88	79.6	48.22	70.7
	6	4	4	25	8	20	9	16
17	32.74	66.5	19.71	22.5	58.96	81.6	48.31	72.3
	4	2	1	25	4	18	6	13
27	32.78	66.7	19.70	25.0	59.00	83.4	48.37	73.6
	0	1	6	25	1	17	2	12
Nov. 6	32.78	66.8	19.64	27.5	59.01	85.1	48.39	74.8
	2	2	10	24	3	14	1	9
16	32.76	66.6	19.54	29.9	58.98	86.5	48.38	75.7
	4	2	14	20	5	11	3	7
26	32.72	66.4	19.40	31.9	58.93	87.6	48.35	76.4
	6	4	17	18	8	7	6	5
Dez. 6	32.66	66.0	19.23	33.7	58.85	88.3	48.29	76.9
	8	5	20	14	10	5	8	2
16	32.58	65.5	19.03	35.1	58.75	88.8	48.21	77.1
	10	6	21	9	13	1	11	1
26	32.48	64.9	18.82	36.0	58.62	88.9	48.10	77.0
	10	6	22	5	13	2	12	3
36	32.38	64.3	18.60	36.5	58.49	88.7	47.98	76.7
Mittl. Ort	28.68	38.6	14.80	45.3	54.72	53.6	44.13	44.3
sec δ, tg δ	1.008	+0.130	1.471	−1.079	1.223	+0.704	1.120	+0.505

1914	47) ϑ Ceti. AR.		Dekl. −		48) δ Cassiopej. AR.		Dekl. +		50) η Piscium. AR.		Dekl. +		51) 40 Cassiopej. AR.		Dekl. +	
	1h 19m		8° 37′		1h 20m		59° 47′		1h 26m		14° 54′		1h 31m		72° 36′	
Jan. 0	44.03	11	36.8	6	10.60	30	40.3	2	53.13	11	18.2	5	36.84	57	31.1	7
10	43.92	12	37.4	5	10.30	32	40.5	3	53.02	11	17.7	6	36.27	60	31.8	2
20	43.80	11	37.9	3	9.98	32	40.2	8	52.91	12	17.1	7	35.67	61	32.0	5
30	43.69	12	38.2	2	9.66	30	39.4	12	52.79	12	16.4	7	35.06	59	31.5	10
Febr. 9	43.57	10	38.4	1	9.36	28	38.2	16	52.67	11	15.7	8	34.47	54	30.5	16
19	43.47	8	38.3	3	9.08	23	36.6	21	52.56	10	14.9	7	33.93	48	28.9	20
März 1	43.39	7	38.0	6	8.85	18	34.5	22	52.46	7	14.2	6	33.45	37	26.9	24
11	43.32	3	37.4	7	8.67	11	32.3	25	52.39	4	13.6	5	33.08	26	24.5	26
21	43.29	0	36.7	10	8.56	4	29.8	24	52.35	0	13.1	4	32.82	14	21.9	28
31	43.29	5	35.7	13	8.52	5	27.4	25	52.35	5	12.7	1	32.68	1	19.1	27
April 10	43.34	9	34.4	17	8.57	16	24.9	24	52.40	9	12.6	0	32.69	17	16.4	30
20	[11] 43.43	13	32.7	17	[11] 8.73	23	22.5	20	[13] 52.49	14	12.6	4	[15] 32.86	30	13.4	25
30	43.56	17	31.0	19	8.96	30	20.5	17	52.63	18	13.0	6	33.16	43	10.9	22
Mai 10	43.73	22	29.1	20	9.26	38	18.8	12	52.81	22	13.6	9	33.59	55	8.7	18
20	43.95	24	27.1	22	9.64	44	17.6	9	53.03	26	14.5	12	34.14	64	6.9	14
30	44.19	28	24.9	22	10.08	48	16.7	3	53.29	29	15.7	14	34.78	73	5.5	9
Juni 9	44.47	30	22.7	22	10.56	53	16.4	1	53.58	31	17.1	16	35.51	80	4.6	5
19	44.77	32	20.5	22	11.09	54	16.5	6	53.89	32	18.7	17	36.31	83	4.1	1
29	45.09	32	18.3	21	11.63	54	17.1	10	54.21	34	20.4	19	37.14	85	4.2	6
Juli 9	45.41	32	16.2	19	12.17	55	18.1	16	54.55	33	22.3	19	37.99	86	4.8	11
19	45.73	31	14.3	17	12.72	53	19.7	19	54.88	32	24.2	20	38.85	83	5.9	16
29	46.04	29	12.6	14	13.25	50	21.6	23	55.20	30	26.2	19	39.68	80	7.5	20
Aug. 8	46.33	28	11.2	12	13.75	46	23.9	25	55.50	28	28.1	19	40.48	74	9.5	24
18	46.61	24	10.0	9	14.21	42	26.4	29	55.78	26	30.0	17	41.22	68	11.9	27
28	46.85	22	9.1	5	14.63	36	29.3	29	56.04	23	31.7	16	41.90	60	14.6	30
Sept. 7	47.07	18	8.6	2	14.99	31	32.2	32	56.27	19	33.3	14	42.50	51	17.6	33
17	47.25	14	8.4	1	15.30	25	35.4	32	56.46	16	34.7	13	43.01	42	20.9	34
27	47.39	12	8.5	3	15.55	20	38.6	32	56.62	13	36.0	10	43.43	32	24.3	36
Okt. 7	47.51	8	8.8	6	15.75	13	41.8	32	56.75	10	37.0	8	43.75	22	27.9	35
17	47.59	4	9.4	8	15.88	7	45.0	30	56.85	6	37.8	6	43.97	11	31.4	36
27	47.63	2	10.2	9	15.95	1	48.0	29	56.91	4	38.4	5	44.08	0	35.0	33
Nov. 6	47.65	1	11.1	10	15.96	6	50.9	26	56.95	0	38.9	3	44.08	11	38.3	32
16	47.64	3	12.1	11	15.90	11	53.5	23	56.95	2	39.2	1	43.97	21	41.5	28
26	47.61	6	13.2	10	15.79	16	55.8	20	56.93	4	39.3	1	43.76	31	44.3	25
Dez. 6	47.55	7	14.2	10	15.63	22	57.8	15	56.89	6	39.2	2	43.45	41	46.8	21
16	47.48	9	15.2	9	15.41	25	59.3	10	56.83	9	39.0	3	43.04	48	48.9	16
26	47.39	11	16.1	7	15.16	29	60.3	5	56.74	10	38.7	5	42.56	54	50.5	10
36	47.28		16.8		14.87		60.8		56.64		38.2		42.02		51.5	
Mittl. Ort	43.46		36.7		10.69		19.3		52.72		9.9		37.03		8.0	
sec δ, tg δ	1.011		−0.152		1.987		+1.717		1.035		+0.266		3.344		+3.191	

1914	52) υ Persei. AR.		Dekl. +		54) α Eridani. AR.		Dekl. —		55) 43 Cassiopej. AR.		Dekl. +		57) φ Persei. AR.		Dekl. +	
	1h 32m		48° 11'		1h 34m		57° 39'		1h 35m		67° 36'		1h 38m		50° 15'	
Jan. 0	42.54	19	52.9	1	32.44	32	97.1	4	57.19	42	53.3	7	15.94	20	40.4	2
10	42.35	21	53.0	— 3	32.12	33	97.5	— 2	56.77	46	54.0	0	15.74	23	40.6	— 2
20	42.14	22	52.7	7	31.79	32	97.3	7	56.31	46	54.0	5	15.51	23	40.4	7
30	41.92	22	52.0	11	31.47	31	96.6	13	55.85	44	53.5	10	15.28	23	39.7	10
Febr. 9	41.70	20	50.9	15	31.16	28	95.3	18	55.41	41	52.5	15	15.05	21	38.7	14
19	41.50	17	49.4	17	30.88	25	93.5	22	55.00	36	51.0	20	14.84	19	37.3	17
März 1	41.33	13	47.7	19	30.63	21	91.3	27	54.64	29	49.0	22	14.65	15	35.6	18
11	41.20	9	45.8	20	30.42	16	88.6	30	54.35	20	46.8	26	14.50	10	33.7	21
21	41.11	3	43.8	20	30.26	10	85.6	32	54.15	11	44.2	26	14.40	4	31.6	21
31	41.08	— 4	41.8	20	30.16	4	82.4	35	54.04	— 1	41.6	26	14.36	— 3	29.5	20
April 10	41.12	11	39.8	19	30.12	— 5	78.9	39	54.05	14	39.0	29	14.39	10	27.5	21
20	[15] 41.23	17	37.9	16	[15] 30.17	11	75.0	37	[16] 54.19	24	36.1	23	[16] 14.49	17	25.4	16
30	41.40	24	36.3	12	30.28	18	71.3	36	54.43	35	33.8	21	14.66	24	23.8	13
Mai 10	41.64	29	35.1	8	30.46	25	67.7	35	54.78	44	31.7	17	14.90	29	22.5	10
20	41.93	34	34.3	5	30.71	31	64.2	33	55.22	53	30.0	12	15.19	35	21.5	6
30	42.27	38	33.8	0	31.02	36	60.9	31	55.75	59	28.8	8	15.54	39	20.9	2
Juni 9	42.65	41	33.8	4	31.38	41	57.8	28	56.34	65	28.0	3	15.93	42	20.7	— 3
19	43.06	43	34.2	8	31.79	45	55.0	23	56.99	67	27.7	— 2	16.35	45	21.0	6
29	43.49	45	35.0	12	32.24	47	52.7	19	57.66	69	27.9	6	16.80	45	21.6	11
Juli 9	43.94	43	36.2	15	32.71	48	50.8	13	58.35	70	28.5	12	17.25	46	22.7	15
19	44.37	43	37.7	19	33.19	48	49.5	8	59.05	68	29.7	16	17.71	44	24.2	18
29	44.80	41	39.6	21	33.67	47	48.7	3	59.73	65	31.3	20	18.15	43	26.0	21
Aug. 8	45.21	38	41.7	24	34.14	44	48.4	— 4	60.38	60	33.3	24	18.58	40	28.1	23
18	45.59	34	44.1	25	34.58	39	48.8	8	60.98	56	35.7	27	18.98	36	30.4	25
28	45.93	31	46.6	27	34.97	35	49.6	14	61.54	50	38.4	29	19.34	32	32.9	27
Sept. 7	46.24	27	49.3	28	35.32	29	51.0	19	62.04	43	41.3	32	19.66	28	35.6	27
17	46.51	22	52.1	27	35.61	23	52.9	23	62.47	36	44.5	33	19.94	24	38.3	29
27	46.73	18	54.8	28	35.84	15	55.2	26	62.83	27	47.8	34	20.18	20	41.2	28
Okt. 7	46.91	13	57.6	26	35.99	8	57.8	28	63.10	20	51.2	34	20.38	14	44.0	27
17	47.04	9	60.2	25	36.07	2	60.6	29	63.30	11	54.6	33	20.52	10	46.7	26
27	47.13	4	62.7	24	36.09	— 5	63.5	29	63.41	3	57.9	32	20.62	5	49.3	25
Nov. 6	47.17	0	65.1	21	36.04	12	66.4	28	63.44	— 5	61.1	30	20.67	0	51.8	22
16	47.17	5	67.2	19	35.92	17	69.2	25	63.39	14	64.1	27	20.67	4	54.0	20
26	47.12	8	69.1	15	35.75	22	71.7	21	63.25	21	66.8	24	20.63	8	56.0	16
Dez. 6	47.04	12	70.6	11	35.53	26	73.8	18	63.04	28	69.2	19	20.55	13	57.6	13
16	46.92	16	71.7	8	35.27	30	75.6	12	62.76	35	71.1	15	20.42	16	58.9	9
26	46.76	18	72.5	3	34.97	32	76.8	7	62.41	40	72.6	9	20.26	19	59.8	4
36	46.58		72.8		34.65		77.5		62.01		73.5		20.07		60.2	
Mittl. Ort	42.34		34.4		30.81		84.4		57.16		30.9		15.70		21.3	
sec δ, tg δ	1.500		+1.118		1.869		—1.579		2.625		+2.427		1.564		+1.203	

1914	59) τ Ceti*).				60) ο Piscium.				61) Lac. ε Sculpt.				62) ζ Ceti.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. −	
	1h 40m		16° 22′		1h 40m		8° 43′		1h 41m		25° 28′		1h 47m		10° 45′	
Jan. 0	5.10	12	86.5	7	51.55	10	37.6	6	37.93	14	61.0	8	13.63	11	34.3	8
10	4.98	13	87.2	5	51.45	11	37.0	6	37.79	14	61.8	4	13.52	12	35.1	6
20	4.85	13	87.7	2	51.34	12	36.4	6	37.65	15	62.2	1	13.40	13	35.7	3
30	4.72	13	87.9	1	51.22	12	35.8	6	37.50	14	62.3	3	13.27	13	36.0	2
Febr. 9	4.59	12	87.8	4	51.10	12	35.2	5	37.36	14	62.0	6	13.14	12	36.2	1
19	4.47	11	87.4	6	50.98	9	34.7	4	37.22	12	61.4	10	13.02	11	36.1	4
März 1	4.36	9	86.8	10	50.89	8	34.3	3	37.10	9	60.4	12	12.91	8	35.7	6
11	4.27	6	85.8	12	50.81	5	34.0	2	37.01	7	59.2	17	12.83	6	35.1	8
21	4.21	2	84.6	15	50.76	2	33.8	0	36.94	3	57.5	19	12.77	3	34.3	11
31	4.19	2	83.1	16	50.74	3	33.8	2	36.91	0	55.6	21	12.74	2	33.2	14
April 10	4.21	7	81.5	21	50.77	8	34.0	5	36.91	6	53.5	26	12.76	6	31.8	17
20	[17] 4.28	10	79.4	22	[17] 50.85	12	34.5	6	[17] 36.97	11	50.9	26	[19] 12.82	10	30.1	18
30	4.38	16	77.2	24	50.97	16	35.1	10	37.08	15	48.3	27	12.92	15	28.3	20
Mai 10	4.54	19	74.8	24	51.13	21	36.1	12	37.23	19	45.6	27	13.07	19	26.3	21
20	4.73	23	72.4	25	51.34	24	37.3	14	37.42	24	42.9	28	13.26	23	24.2	23
30	4.96	26	69.9	25	51.58	27	38.7	15	37.66	27	40.1	27	13.49	26	21.9	23
Juni 9	5.22	30	67.4	24	51.85	30	40.2	18	37.93	29	37.4	26	13.75	28	19.6	23
19	5.52	31	65.0	23	52.15	31	42.0	18	38.22	32	34.8	24	14.03	31	17.3	22
29	5.83	31	62.7	22	52.46	33	43.8	19	38.54	34	32.4	22	14.34	32	15.1	21
Juli 9	6.14	32	60.5	19	52.79	32	45.7	19	38.88	33	30.2	18	14.66	32	13.0	19
19	6.46	32	58.6	16	53.11	32	47.6	19	39.21	33	28.4	15	14.98	32	11.1	17
29	6.78	30	57.0	13	53.43	31	49.5	18	39.54	32	26.9	11	15.30	30	9.4	15
Aug. 8	7.08	29	55.7	10	53.74	28	51.3	17	39.86	30	25.8	7	15.60	29	7.9	11
18	7.37	26	54.7	5	54.02	26	53.0	15	40.16	27	25.1	3	15.89	26	6.8	9
28	7.63	22	54.2	2	54.28	23	54.5	13	40.43	25	24.8	2	16.15	24	5.9	4
Sept. 7	7.85	20	54.0	1	54.51	21	55.8	11	40.68	21	25.0	6	16.39	20	5.5	2
17	8.05	16	54.1	4	54.72	17	56.9	8	40.89	17	25.6	9	16.59	18	5.3	2
27	8.21	13	54.5	8	54.89	14	57.7	7	41.06	14	26.5	13	16.77	14	5.5	5
Okt. 7	8.34	9	55.3	11	55.03	10	58.4	4	41.20	9	27.8	15	16.91	10	6.0	7
17	8.43	6	56.4	13	55.13	8	58.8	2	41.29	6	29.3	17	17.01	7	6.7	10
27	8.49	2	57.7	13	55.21	5	59.0	1	41.35	3	31.0	19	17.08	5	7.7	11
Nov. 6	8.51	1	59.0	14	55.26	2	59.1	1	41.38	1	32.9	19	17.13	1	8.8	12
16	8.50	3	60.4	15	55.28	1	59.0	2	41.37	4	34.8	18	17.14	2	10.0	12
26	8.47	5	61.9	13	55.27	3	58.8	4	41.33	6	36.6	16	17.12	4	11.2	12
Dez. 6	8.42	9	63.2	13	55.24	6	58.4	4	41.27	9	38.2	15	17.08	6	12.4	11
16	8.33	10	64.5	10	55.18	7	58.0	5	41.18	11	39.7	13	17.02	9	13.5	11
26	8.23	11	65.5	9	55.11	10	57.5	6	41.07	13	41.0	9	16.93	10	14.6	8
36	8.12		66.4		55.01		56.9		40.94		41.9		16.83		15.4	
Mittl. Ort	4.36		84.4		51.01		31.0		37.05		56.3		12.88		34.5	
sec δ, tg δ	1.042		−0.294		1.012		+0.153		1.108		−0.476		1.018		−0.190	

*) Die jährliche Parallaxe ist bereits angebracht.

1914	64) α Trianguli. AR.		Dekl. +		63) ε Cassiopej. AR.		Dekl. +		65) ξ Piscium. AR.		Dekl. +		66) β Arietis. AR.		Dekl. +	
	1h 48m		29° 9′		1h 48m		63° 14′		1h 49m		2° 45′		1h 49m		20° 23′	
Jan. 0	10.95		50.5		11.87		71.4		6.74		52.7		53.66		27.7	
		12		2		33		7		10		7		11		3
10	10.83		50.3		11.54		72.1		6.64		52.0		53.55		27.4	
		14		5		36		1		11		6		12		6
20	10.69		49.8		11.18		72.2		6.53		51.4		53.43		26.8	
		15		6		37		4		12		5		13		6
30	10.54		49.2		10.81		71.8		6.41		50.9		53.30		26.2	
		14		9		37		9		12		4		13		7
Febr. 9	10.40		48.3		10.44		70.9		6.29		50.5		53.17		25.5	
		14		10		35		13		12		3		13		8
19	10.26		47.3		10.09		69.6		6.17		50.2		53.04		24.7	
		13		11		30		18		10		3		11		9
März 1	10.13		46.2		9.79		67.8		6.07		49.9		52.93		23.8	
		10		12		25		22		9		0		9		8
11	10.03		45.0		9.54		65.6		5.98		49.9		52.84		23.0	
		7		12		19		23		6		1		6		8
21	9.96		43.8		9.35		63.3		5.92		50.0		52.78		22.2	
		3		11		10		25		2		3		3		6
31	9.93		42.7		9.25		60.8		5.90		50.3		52.75		21.6	
		2		10		0		25		2		6		2		5
April 10	9.95		41.7		9.25		58.3		5.92		50.9		52.77		21.1	
	19	8		9	13	10		27	19	7		9		7		3
20	10.03		40.8		9.35		55.6		5.99		51.8		52.84		20.8	
		13		5		19		22		11		10	20	12		0
30	10.16		40.3		9.54		53.4		6.10		52.8		52.96		20.8	
		18		3		29		20		15		12		17		2
Mai 10	10.34		40.0		9.83		51.4		6.25		54.0		53.13		21.0	
		22		1		36		16		19		15		21		5
20	10.56		40.1		10.19		49.8		6.44		55.5		53.34		21.5	
		27		3		44		12		23		17		25		8
30	10.83		40.4		10.63		48.6		6.67		57.2		53.59		22.3	
		30		7		51		8		26		17		28		10
Juni 9	11.13		41.1		11.14		47.8		6.93		58.9		53.87		23.3	
		32		9		55		3		29		19		31		13
19	11.45		42.0		11.69		47.5		7.22		60.8		54.18		24.6	
		35		13		59		2		31		20		32		15
29	11.80		43.3		12.28		47.7		7.53		62.8		54.50		26.1	
		36		14		60		6		32		20		34		16
Juli 9	12.16		44.7		12.88		48.3		7.85		64.8		54.84		27.7	
		36		17		60		11		32		19		34		18
19	12.52		46.4		13.48		49.4		8.17		66.7		55.18		29.5	
		35		18		60		15		32		18		33		18
29	12.87		48.2		14.08		50.9		8.49		68.5		55.51		31.3	
		34		20		58		19		30		17		32		19
Aug. 8	13.21		50.2		14.66		52.8		8.79		70.2		55.83		33.2	
		32		20		54		22		29		15		31		19
18	13.53		52.2		15.20		55.0		9.08		71.7		56.14		35.1	
		29		20		50		25		26		13		28		18
28	13.82		54.2		15.70		57.5		9.34		73.0		56.42		36.9	
		26		21		45		28		23		10		25		17
Sept. 7	14.08		56.3		16.15		60.3		9.57		74.0		56.67		38.6	
		23		19		40		30		21		8		22		16
17	14.31		58.2		16.55		63.3		9.78		74.8		56.89		40.2	
		20		19		33		32		17		6		19		15
27	14.51		60.1		16.88		66.5		9.95		75.4		57.08		41.7	
		17		18		28		32		15		3		15		13
Okt. 7	14.68		61.9		17.16		69.7		10.10		75.7		57.23		43.0	
		13		16		20		32		11		0		13		11
17	14.81		63.5		17.36		72.9		10.21		75.7		57.36		44.1	
		9		15		14		31		8		1		9		9
27	14.90		65.0		17.50		76.0		10.29		75.6		57.45		45.0	
		7		13		7		31		6		3		6		8
Nov. 6	14.97		66.3		17.57		79.1		10.35		75.3		57.51		45.8	
		3		11		1		29		2		5		3		6
16	15.00		67.4		17.56		82.0		10.37		74.8		57.54		46.4	
		1		9		7		26		0		5		0		4
26	14.99		68.3		17.49		84.6		10.37		74.3		57.54		46.8	
		3		6		14		22		3		7		2		2
Dez. 6	14.96		68.9		17.35		86.8		10.34		73.6		57.52		47.0	
		6		4		20		19		5		6		5		0
16	14.90		69.3		17.15		88.7		10.29		73.0		57.47		47.0	
		9		2		26		14		7		7		8		1
26	14.81		69.5		16.89		90.1		10.22		72.3		57.39		46.9	
		11		1		31		9		9		7		10		3
36	14.70		69.4		16.58		91.0		10.13		71.6		57.29		46.6	
Mittl. Ort	10.49		37.1		11.60		49.6		6.10		47.9		53.14		17.0	
sec δ, tg δ	1.145		+0.558		2.221		+1.984		1.001		+0.048		1.067		+0.372	

1914	67) ψ Phoenicis. AR.	Diff.	Dekl. −	Diff.	68) χ Eridani. AR.	Diff.	Dekl. −	Diff.	71) υ Ceti. AR.	Diff.	Dekl. −	Diff.	70) 50 Cassiopej. AR.	Diff.	Dekl. +	Diff.
	1h 50m		46° 42′		1h 52m		52° 1′		1h 55m		21° 29′		1h 55m		72° 0′	
Jan. 0	13.28	22	95.2	7	38.19	26	83.5	7	58.08	12	41.8	9	64.23	52	44.1	10
10	13.06	23	95.9	3	37.93	27	84.2	1	57.96	14	42.7	5	63.71	57	45.1	4
20	12.83	23	96.2	3	37.66	28	84.3	3	57.82	14	43.2	3	63.14	59	45.5	1
30	12.60	24	95.9	8	37.38	27	84.0	10	57.68	15	43.5	1	62.55	58	45.4	8
Febr. 9	12.36	22	95.1	13	37.11	25	83.0	13	57.53	13	43.4	4	61.97	56	44.6	13
19	12.14	19	93.8	17	36.86	23	81.7	20	57.40	13	43.0	7	61.41	49	43.3	17
März 1	11.95	17	92.1	21	36.63	20	79.7	23	57.27	10	42.3	11	60.92	42	41.6	21
11	11.78	13	90.0	26	36.43	15	77.4	26	57.17	8	41.2	13	60.50	31	39.5	25
21	11.65	8	87.4	28	36.28	11	74.8	30	57.09	4	39.9	17	60.19	20	37.0	27
31	11.57	4	84.6	30	36.17	5	71.8	33	57.05	0	38.2	19	59.99	6	34.3	27
April 10	11.53	3	81.6	32	36.12	1	68.5	34	57.05	4	36.3	21	59.93	8	31.6	27
20	11.56	9	78.4	38	36.13	9	65.1	38	57.09	9	34.2	26	60.01	25	28.9	28
30	[20] 11.65	13	74.6	34	[20] 36.22	14	61.3	36	[21] 57.18	13	31.6	25	[21] 60.26	35	26.1	23
Mai 10	11.78	20	71.2	34	36.36	19	57.7	35	57.31	18	29.1	26	60.61	47	23.8	20
20	11.98	25	67.8	33	36.55	27	54.2	34	57.49	22	26.5	26	61.08	59	21.8	17
30	12.23	30	64.5	31	36.82	32	50.8	32	57.71	26	23.9	27	61.67	67	20.1	12
Juni 9	12.53	34	61.4	28	37.14	36	47.6	29	57.97	28	21.2	26	62.34	75	18.9	7
19	12.87	36	58.6	26	37.50	39	44.7	25	58.25	31	18.6	24	63.09	79	18.2	2
29	13.23	39	56.0	21	37.89	42	42.2	21	58.56	32	16.2	21	63.88	83	18.0	3
Juli 9	13.62	40	53.9	17	38.31	43	40.1	17	58.88	33	14.1	19	64.71	85	18.3	8
19	14.02	40	52.2	12	38.74	43	38.4	11	59.21	33	12.2	17	65.56	83	19.1	13
29	14.42	39	51.0	6	39.17	43	37.3	6	59.54	32	10.5	13	66.39	81	20.4	17
Aug. 8	14.81	36	50.4	1	39.60	40	36.7	0	59.86	29	9.2	9	67.20	77	22.1	21
18	15.17	34	50.3	3	40.00	37	36.7	5	60.15	28	8.3	4	67.97	71	24.2	24
28	15.51	30	50.6	10	40.37	33	37.2	11	60.43	25	7.9	1	68.68	65	26.6	28
Sept. 7	15.81	26	51.6	14	40.70	29	38.3	16	60.68	22	7.8	3	69.33	57	29.4	30
17	16.07	21	53.0	19	40.99	23	39.9	20	60.90	18	8.1	8	69.90	48	32.4	33
27	16.28	16	54.9	22	41.22	17	41.9	24	61.08	15	8.9	10	70.38	40	35.7	34
Okt. 7	16.44	10	57.1	25	41.39	11	44.3	27	61.23	11	9.9	14	70.78	30	39.1	34
17	16.54	6	59.6	26	41.50	6	47.0	28	61.34	8	11.3	15	71.08	20	42.5	35
27	16.60	1	62.2	27	41.56	0	49.8	28	61.42	5	12.8	17	71.28	9	46.0	34
Nov. 6	16.61	5	64.9	26	41.56	6	52.6	27	61.47	1	14.5	18	71.37	2	49.4	32
16	16.56	9	67.5	25	41.50	11	55.3	26	61.48	2	16.3	17	71.35	13	52.6	29
26	16.47	13	70.0	22	41.39	16	57.9	23	61.46	5	18.0	16	71.22	23	55.5	27
Dez. 6	16.34	16	72.2	19	41.23	19	60.2	20	61.41	7	19.6	15	70.99	32	58.2	22
16	16.18	19	74.1	15	41.04	23	62.2	14	61.34	10	21.1	13	70.67	41	60.4	18
26	15.99	22	75.6	10	40.81	25	63.6	10	61.24	12	22.4	10	70.26	48	62.2	13
36	15.77		76.6		40.56		64.6		61.12		23.4		69.78		63.5	
Mittl. Ort	11.94		85.4		36.65		72.8		57.17		38.9		63.83		20.9	
sec δ, tg δ	1.458		−1.062		1.625		−1.281		1.075		−0.394		3.237		+3.078	

1914	72) α Hydri. AR.		72) α Hydri. Dekl. −		73) γ Andromed. AR.		73) γ Andromed. Dekl. +		74) α Arietis. AR.		74) α Arietis. Dekl. +		75) β Trianguli. AR.		75) β Trianguli. Dekl. +	
	1h 56m		61° 58′		1h 58m		41° 55′		2h 2m		23° 3′		2h 4m		34° 34′	
Jan. 0	5.63	38	89.4	6	37.32	16	20.2	2	19.88	11	34.4	2	25.81	13	66.9	0
10	5.25	39	90.0	0	37.16	17	20.4	1	19.77	12	34.2	5	25.68	14	66.9	2
20	4.86	40	90.0	6	36.99	19	20.3	5	19.65	14	33.7	6	25.54	16	66.7	5
30	4.46	39	89.4	11	36.80	19	19.8	9	19.51	14	33.1	7	25.38	17	66.2	8
Febr. 9	4.07	37	88.3	16	36.61	18	18.9	11	19.37	13	32.4	8	25.21	16	65.4	10
19	3.70	33	86.7	22	36.43	17	17.8	14	19.24	13	31.6	9	25.05	15	64.4	12
März 1	3.37	29	84.5	26	36.26	13	16.4	16	19.11	10	30.7	9	24.90	12	63.2	13
11	3.08	24	81.9	29	36.13	10	14.8	17	19.01	8	29.8	8	24.78	9	61.9	13
21	2.84	17	79.0	32	36.03	6	13.1	17	18.93	3	29.0	8	24.69	5	60.6	14
31	2.67	10	75.8	35	35.97	1	11.4	16	18.90	1	28.2	6	24.64	0	59.2	12
April 10	2.57	2	72.3	37	35.98	6	9.8	15	18.91	5	27.6	5	24.64	5	58.0	11
20	2.55	7	68.6	41	36.04	13	8.3	14	18.96	12	27.1	3	24.69	13	56.9	10
30	2.62	14	64.5	37	36.17	19	6.9	10	19.08	15	26.8	1	24.82	17	55.9	6
Mai 10	2.76	22	60.8	36	36.36	25	5.9	7	19.23	20	26.9	3	24.99	22	55.3	4
20	2.98	29	57.2	35	36.61	29	5.2	4	19.43	24	27.2	6	25.21	26	54.9	0
30	3.27	36	53.7	32	36.90	33	4.8	0	19.67	28	27.8	8	25.47	31	54.9	3
Juni 9	3.63	43	50.5	29	37.23	37	4.8	4	19.95	31	28.6	11	25.78	33	55.2	6
19	4.06	47	47.6	25	37.60	39	5.2	8	20.26	33	29.7	13	26.11	36	55.8	9
29	4.53	50	45.1	20	37.99	40	6.0	10	20.59	34	31.0	16	26.47	37	56.7	12
Juli 9	5.03	52	43.1	15	38.39	41	7.0	14	20.93	35	32.6	16	26.84	38	57.9	15
19	5.55	53	41.6	9	38.80	40	8.4	17	21.28	34	34.2	18	27.22	37	59.4	17
29	6.08	52	40.7	4	39.20	39	10.1	19	21.62	33	36.0	18	27.59	36	61.1	18
Aug. 8	6.60	50	40.3	2	39.59	36	12.0	20	21.95	31	37.8	18	27.95	34	62.9	20
18	7.10	47	40.5	8	39.95	34	14.0	22	22.26	29	39.6	19	28.29	32	64.9	20
28	7.57	41	41.3	14	40.29	31	16.2	24	22.55	26	41.5	17	28.61	29	66.9	21
Sept. 7	7.98	35	42.7	19	40.60	28	18.6	23	22.81	24	43.2	17	28.90	26	69.0	21
17	8.33	28	44.6	23	40.88	24	20.9	24	23.05	20	44.9	15	29.16	23	71.1	20
27	8.61	21	46.9	26	41.12	20	23.3	23	23.25	18	46.4	14	29.39	19	73.1	20
Okt. 7	8.82	13	49.5	29	41.32	16	25.6	24	23.43	14	47.8	12	29.58	16	75.1	19
17	8.95	5	52.4	31	41.48	12	28.0	21	23.57	10	49.0	11	29.74	12	77.0	17
27	9.00	4	55.5	30	41.60	8	30.1	20	23.67	8	50.1	9	29.86	8	78.7	16
Nov. 6	8.96	11	58.5	29	41.68	4	32.1	18	23.75	5	51.0	7	29.94	5	80.3	14
16	8.85	18	61.4	28	41.72	0	33.9	16	23.80	1	51.7	6	29.99	2	81.7	13
26	8.67	24	64.2	24	41.72	3	35.5	14	23.81	1	52.3	3	30.01	2	83.0	10
Dez. 6	8.43	30	66.6	19	41.69	8	36.9	10	23.80	4	52.6	2	29.99	6	84.0	7
16	8.13	34	68.5	15	41.61	11	37.9	7	23.76	7	52.8	0	29.93	8	84.7	4
26	7.79	37	70.0	9	41.50	14	38.6	4	23.69	10	52.8	2	29.85	12	85.1	2
36	7.42		70.9		41.36		39.0		23.59		52.6		29.73		85.3	
Mittl. Ort	3.57		77.2		36.83		3.0		19.28		22.7		25.25		51.7	
sec δ, tg δ	2.129		−1.879		1.344		+0.898		1.087		+0.426		1.215		+0.689	

1914	76) 55 Cassiopej.				78) Lac. μ Forn.				80) 67 Ceti.				85) ξ² Ceti.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. —		AR.		Dekl. +	
	$2^h\ 7^m$		66° 7′		$2^h\ 9^m$		31° 7′		$2^h\ 12^m$		6° 48′		$2^h\ 23^m$		8° 4′	
Jan. 0	43.55	36	41.6	10	8.40	15	41.9	10	42.41	10	62.6	8	35.86	9	37.7	5
10	43.19	40	42.6	4	8.25	17	42.9	6	42.31	12	63.4	7	35.77	11	37.2	6
20	42.79	42	43.0	1	8.08	17	43.5	2	42.19	12	64.1	5	35.66	12	36.6	5
30	42.37	43	42.9	6	7.91	17	43.7	2	42.07	13	64.6	3	35.54	14	36.1	5
Febr. 9	41.94	41	42.3	12	7.74	17	43.5	6	41.94	13	64.9	1	35.40	13	35.6	5
19	41.53	38	41.1	16	7.57	15	42.9	10	41.81	13	65.0	1	35.27	12	35.1	3
März 1	41.15	32	39.5	20	7.42	13	41.9	14	41.68	10	64.9	4	35.15	11	34.8	3
11	40.83	24	37.5	22	7.29	11	40.5	17	41.58	8	64.5	6	35.04	8	34.5	1
21	40.59	16	35.3	25	7.18	7	38.8	21	41.50	5	63.9	8	34.96	6	34.4	0
31	40.43	6	32.8	25	7.11	3	36.7	23	41.45	1	63.1	11	34.90	1	34.4	2
April 10	40.37	5	30.3	26	7.08	1	34.4	26	41.44	3	62.0	13	34.89	3	34.6	4
20	40.42	17	27.7	26	7.09	7	31.8	31	41.47	9	60.7	16	34.92	8	35.0	7
30	[24] 40.59	27	25.1	22	[25] 7.16	12	28.7	29	[26] 41.56	12	59.1	18	[28] 35.00	12	35.7	9
Mai 10	40.86	36	22.9	19	7.28	17	25.8	30	41.68	17	57.3	19	35.12	17	36.6	11
20	41.22	45	21.0	15	7.45	21	22.8	30	41.85	21	55.4	20	35.29	21	37.7	12
30	41.67	53	19.5	11	7.66	25	19.8	29	42.06	24	53.4	21	35.50	24	38.9	15
Juni 9	42.20	58	18.4	6	7.91	28	16.9	27	42.30	27	51.3	22	35.74	27	40.4	16
19	42.78	63	17.8	2	8.19	32	14.2	25	42.57	30	49.1	22	36.01	30	42.0	17
29	43.41	66	17.6	3	8.51	33	11.7	23	42.87	31	46.9	20	36.31	31	43.7	18
Juli 9	44.07	66	17.9	8	8.84	34	9.4	21	43.18	31	44.9	20	36.62	32	45.5	18
19	44.73	67	18.7	12	9.18	34	7.3	16	43.49	32	42.9	18	36.94	33	47.3	17
29	45.40	65	19.9	16	9.52	34	5.7	11	43.81	31	41.1	15	37.27	31	49.0	17
Aug. 8	46.05	62	21.5	20	9.86	32	4.6	7	44.12	29	39.6	13	37.58	30	50.7	15
18	46.67	58	23.5	23	10.18	30	3.9	2	44.41	28	38.3	10	37.88	28	52.2	14
28	47.25	54	25.8	26	10.48	27	3.7	2	44.69	25	37.3	6	38.16	27	53.6	11
Sept. 7	47.79	47	28.4	28	10.75	24	3.9	7	44.94	22	36.7	3	38.43	23	54.7	10
17	48.26	41	31.2	31	10.99	20	4.6	12	45.16	19	36.4	1	38.66	21	55.7	8
27	48.67	35	34.3	31	11.19	16	5.8	15	45.35	17	36.3	3	38.87	18	56.5	5
Okt. 7	49.02	28	37.4	32	11.35	13	7.3	18	45.52	13	36.6	6	39.05	15	57.0	3
17	49.30	19	40.6	32	11.48	9	9.1	21	45.65	10	37.2	7	39.20	12	57.3	1
27	49.49	12	43.8	32	11.57	4	11.2	21	45.75	7	37.9	10	39.32	9	57.4	1
Nov. 6	49.61	4	47.0	30	11.61	2	13.3	23	45.82	5	38.9	10	39.41	6	57.3	2
16	49.65	4	50.0	28	11.63	3	15.6	21	45.87	1	39.9	11	39.47	3	57.1	3
26	49.61	13	52.8	25	11.60	5	17.7	20	45.88	2	41.0	12	39.50	1	56.8	4
Dez. 6	49.48	20	55.3	21	11.55	9	19.7	18	45.86	4	42.2	11	39.51	3	56.4	5
16	49.28	27	57.4	18	11.46	11	21.5	16	45.82	7	43.3	10	39.48	5	55.9	6
26	49.01	33	59.2	12	11.35	13	23.1	12	45.75	9	44.3	9	39.43	8	55.3	5
36	48.68		60.4		11.22		24.3		45.66		45.2		39.35		54.8	
Mittl. Ort	42.95		19.3		7.28		36.9		41.57		64.9		35.06		30.4	
sec δ, tg δ	2.470		+2.259		1.168		−0.604		1.007		−0.120		1.010		+0.142	

1914	87) 36 H. Cassiop. AR.		87) Dekl. +		90) μ Hydri. AR.		90) Dekl. −		89) ν Arietis. AR.		89) Dekl. +		91) δ Ceti. AR.		91) Dekl. −	
	2h 29m		72° 26′		2h 33m		79° 28′		2h 33m		21° 35′		2h 35m		0° 2′	
Jan. 0	50.84	48	58.0	15	33.92	117	76.3	8	56.56	9	36.1	2	5.27	8	26.0	7
10	50.36	55	59.5	8	32.75	122	77.1	3	56.47	12	35.9	3	5.19	11	26.7	7
20	49.81	59	60.3	3	31.53	125	77.4	4	56.35	12	35.6	5	5.08	13	27.4	5
30	49.22	61	60.6	3	30.28	124	77.0	9	56.23	15	35.1	5	4.95	13	27.9	5
Febr. 9	48.61	60	60.3	9	29.04	120	76.1	15	56.08	15	34.6	7	4.82	13	28.4	2
19	48.01	56	59.4	14	27.84	112	74.6	20	55.93	14	33.9	7	4.69	14	28.6	2
März 1	47.45	49	58.0	18	26.72	104	72.6	25	55.79	12	33.2	7	4.55	11	28.8	1
11	46.96	40	56.2	22	25.68	90	70.1	29	55.67	10	32.5	7	4.44	10	28.7	2
21	46.56	29	54.0	24	24.78	76	67.2	32	55.57	7	31.8	7	4.34	6	28.5	4
31	46.27	16	51.6	26	24.02	59	64.0	35	55.50	2	31.1	5	4.28	3	28.1	7
April 10	46.11	2	49.0	27	23.43	42	60.5	36	55.48	2	30.6	4	4.25	1	27.4	8
20	46.09	11	46.3	27	23.01	22	56.9	37	55.50	7	30.2	2	4.26	6	26.6	11
30	46.20	29	43.6	28	22.79	2	53.2	42	55.57	13	30.0	0	4.32	12	25.5	14
Mai 10	^{30}46.49	40	40.8	22	^{1}22.77	18	49.0	36	^{1}55.70	17	30.0	3	^{2}4.44	15	24.1	16
20	46.89	52	38.6	20	22.95	38	45.4	36	55.87	22	30.3	5	4.59	19	22.5	16
30	47.41	63	36.6	15	23.33	55	41.8	33	56.09	25	30.8	7	4.78	23	20.9	18
Juni 9	48.04	72	35.1	11	23.88	74	38.5	30	56.34	29	31.5	10	5.01	26	19.1	19
19	48.76	78	34.0	7	24.62	87	35.5	26	56.63	31	32.5	12	5.27	29	17.2	19
29	49.54	83	33.3	2	25.49	100	32.9	21	56.94	33	33.7	14	5.56	30	15.3	20
Juli 9	50.37	87	33.1	3	26.49	109	30.8	17	57.27	34	35.1	14	5.86	31	13.3	18
19	51.24	87	33.4	8	27.58	116	29.1	11	57.61	34	36.5	16	6.17	32	11.5	18
29	52.11	86	34.2	12	28.74	118	28.0	4	57.95	33	38.1	17	6.49	31	9.7	16
Aug. 8	52.97	84	35.4	17	29.92	117	27.6	1	58.28	32	39.8	16	6.80	30	8.1	14
18	53.81	80	37.1	20	31.09	113	27.7	7	58.60	31	41.4	16	7.10	28	6.7	12
28	54.61	74	39.1	24	32.22	104	28.4	13	58.91	28	43.0	15	7.38	26	5.5	9
Sept. 7	55.35	68	41.5	27	33.26	92	29.7	19	59.19	26	44.5	15	7.64	24	4.6	6
17	56.03	61	44.2	29	34.18	76	31.6	23	59.45	23	46.0	13	7.88	21	4.0	3
27	56.64	52	47.1	31	34.94	59	33.9	28	59.68	20	47.3	12	8.09	19	3.7	1
Okt. 7	57.16	42	50.2	33	35.53	38	36.7	30	59.88	17	48.5	11	8.28	16	3.6	2
17	57.58	32	53.5	33	35.91	17	39.7	32	60.05	15	49.6	8	8.44	13	3.8	4
27	57.90	21	56.8	34	36.08	6	42.9	32	60.20	11	50.4	8	8.57	9	4.2	6
Nov. 6	58.11	10	60.2	33	36.02	28	46.1	32	60.31	7	51.2	6	8.66	7	4.8	7
16	58.21	2	63.5	30	35.74	49	49.3	30	60.38	5	51.8	4	8.73	4	5.5	8
26	58.19	13	66.5	29	35.25	69	52.3	26	60.43	2	52.2	3	8.77	1	6.3	9
Dez. 6	58.06	24	69.4	25	34.56	86	54.9	23	60.45	2	52.5	2	8.78	2	7.2	9
16	57.82	35	71.9	22	33.70	101	57.2	17	60.43	5	52.7	1	8.76	5	8.1	8
26	57.47	44	74.1	16	32.69	112	58.9	12	60.38	8	52.8	1	8.71	8	8.9	8
36	57.03		75.7		31.57		60.1		60.30		52.7		8.63		9.7	
Mittl. Ort	49.66		35.1		27.96		65.0		55.76		24.4		4.36		31.1	
sec δ, tg δ	3.315		+3.160		5.477		−5.385		1.075		+0.396		1.000		−0.001	

1914	93) ϑ Persei. AR.		93) Dekl. +		97) π Ceti. AR.		97) Dekl. —		98) μ Ceti. AR.		98) Dekl. +		100) 41 Arietis. AR.		100) Dekl. +	
	2h 38m		48° 51′		2h 40m		14° 12′		2h 40m		9° 45′		2h 44m		26° 54′	
Jan. 0	19.93	16	74.2	8	2.79	10	79.7	10	18.32	8	13.9	5	55.92	10	37.3	0
10	19.77	19	75.0	3	2.69	12	80.7	9	18.24	10	13.4	5	55.82	11	37.3	1
20	19.58	21	75.3	0	2.57	14	81.6	5	18.14	13	12.9	5	55.71	14	37.2	4
30	19.37	24	75.3	5	2.43	15	82.1	3	18.01	13	12.4	5	55.57	16	36.8	5
Febr. 9	19.13	23	74.8	8	2.28	14	82.4	0	17.88	14	11.9	5	55.41	16	36.3	6
19	18.90	22	74.0	11	2.14	15	82.4	3	17.74	13	11.4	4	55.25	15	35.7	8
März 1	18.68	20	72.9	15	1.99	13	82.1	5	17.61	12	11.0	3	55.10	13	34.9	8
11	18.48	16	71.4	16	1.86	10	81.6	9	17.49	10	10.7	2	54.97	11	34.1	9
21	18.32	11	69.8	18	1.76	8	80.7	11	17.39	7	10.5	0	54.86	8	33.2	9
31	18.21	6	68.0	19	1.68	4	79.6	14	17.32	3	10.5	1	54.78	4	32.3	8
April 10	18.15	— 1	66.1	18	1.64	0	78.2	16	17.29	— 2	10.6	3	54.74	— 1	31.5	7
20	18.16	8	64.3	17	1.64	4	76.6	19	17.31	5	10.9	4	54.75	6	30.8	5
30	18.24	17	62.6	17	1.68	10	74.7	23	17.36	12	11.3	8	54.81	13	30.3	4
Mai 10	[2] 18.41	22	60.9	13	[3] 1.78	14	72.4	22	[3] 17.48	15	12.1	10	[4] 54.94	16	29.9	1
20	18.63	27	59.6	9	1.92	17	70.2	24	17.63	20	13.1	11	55.10	22	29.8	— 2
30	18.90	33	58.7	7	2.09	23	67.8	24	17.83	24	14.2	13	55.32	25	30.0	4
Juni 9	19.23	38	58.0	3	2.32	25	65.4	23	18.07	26	15.5	15	55.57	29	30.4	7
19	19.61	41	57.7	— 1	2.57	28	63.1	24	18.33	29	17.0	16	55.86	32	31.1	9
29	20.02	43	57.8	5	2.85	30	60.7	22	18.62	31	18.6	16	56.18	34	32.0	10
Juli 9	20.45	44	58.3	7	3.15	31	58.5	21	18.93	32	20.2	18	56.52	34	33.0	13
19	20.89	46	59.0	11	3.46	31	56.4	18	19.25	32	22.0	16	56.86	36	34.3	15
29	21.35	44	60.1	14	3.77	32	54.6	15	19.57	32	23.6	16	57.22	35	35.8	16
Aug. 8	21.79	43	61.5	17	4.09	30	53.1	12	19.89	31	25.2	15	57.57	33	37.4	15
18	22.22	41	63.2	19	4.39	29	51.9	8	20.20	29	26.7	14	57.90	32	38.9	16
28	22.63	39	65.1	21	4.68	27	51.1	4	20.49	27	28.1	12	58.22	30	40.5	16
Sept. 7	23.02	35	67.2	22	4.95	24	50.7	1	20.76	25	29.3	9	58.52	28	42.1	16
17	23.37	32	69.4	23	5.19	22	50.6	— 3	21.01	23	30.2	8	58.80	25	43.7	15
27	23.69	28	71.7	24	5.41	19	50.9	7	21.24	19	31.0	6	59.05	22	45.2	14
Okt. 7	23.97	23	74.1	24	5.60	15	51.6	10	21.43	17	31.6	4	59.27	20	46.6	13
17	24.20	20	76.5	24	5.75	13	52.6	12	21.60	14	32.0	1	59.47	15	47.9	11
27	24.40	15	78.9	23	5.88	10	53.8	14	21.74	11	32.1	0	59.62	13	49.0	11
Nov. 6	24.55	10	81.2	22	5.98	6	55.2	15	21.85	8	32.1	1	59.75	10	50.1	9
16	24.65	6	83.4	20	6.04	3	56.7	16	21.93	5	32.0	3	59.85	6	51.0	7
26	24.71	0	85.4	18	6.07	— 1	58.3	16	21.98	2	31.7	4	59.91	2	51.7	6
Dez. 6	24.71	4	87.2	16	6.06	3	59.9	15	22.00	— 2	31.3	4	59.93	— 1	52.3	5
16	24.67	9	88.8	12	6.03	6	61.4	14	21.98	4	30.9	5	59.92	4	52.8	3
26	24.58	14	90.0	9	5.97	9	62.8	11	21.94	7	30.4	5	59.88	8	53.1	1
36	24.44		90.9		5.88		63.9		21.87		29.9		59.80		53.2	
Mittl. Ort	19.07		55.4		1.74		80.6		17.44		5.7		55.05		24.0	
sec δ, tg δ	1.520		+1.145		1.032		—0.253		1.015		+0.172		1.121		+0.507	

1914	101) β Fornacis. AR.		Dekl. −		102) τ^2 Eridani. AR.		Dekl. −		103) τ Persei. AR.		Dekl. +		104) η Eridani. AR.		Dekl. −	
	$2^h 45^m$		32° 45′		$2^h 47^m$		21° 20′		$2^h 48^m$		52° 24′		$2^h 52^m$		9° 13′	
Jan. 0	30.78	14	63.7	13	9.40	11	90.1	12	10.07	17	60.1	10	14.57	9	80.9	10
10	30.64	16	65.0	9	9.29	14	91.3	9	9.90	21	61.1	5	14.48	11	81.9	8
20	30.48	18	65.9	5	9.15	15	92.2	5	9.69	25	61.6	1	14.37	13	82.7	6
30	30.30	19	66.4	1	9.00	15	92.7	3	9.44	25	61.7	3	14.24	14	83.3	4
Febr. 9	30.11	20	66.5	4	8.85	17	93.0	1	9.19	26	61.4	7	14.10	15	83.7	2
19	29.91	18	66.1	8	8.68	15	92.9	4	8.93	25	60.7	11	13.95	15	83.9	1
März 1	29.73	17	65.3	11	8.53	15	92.5	8	8.68	23	59.6	14	13.80	13	83.8	3
11	29.56	15	64.2	16	8.38	12	91.7	11	8.45	19	58.2	17	13.67	11	83.5	6
21	29.41	11	62.6	20	8.26	9	90.6	14	8.26	14	56.5	19	13.56	8	82.9	9
31	29.30	8	60.6	22	8.17	6	89.2	18	8.12	7	54.6	19	13.48	5	82.0	11
April 10	29.22	3	58.4	25	8.11	2	87.4	19	8.05	1	52.7	20	13.43	1	80.9	13
20	29.19	2	55.9	27	8.09	3	85.5	22	8.04	7	50.7	19	13.42	4	79.6	15
30	29.21	8	53.2	32	8.12	9	83.3	27	8.11	15	48.8	19	13.46	8	78.1	20
Mai 10	[4] 29.29	13	50.0	29	[5] 8.21	13	80.6	25	[5] 8.26	21	46.9	15	[6] 13.54	13	76.1	20
20	29.42	17	47.1	32	8.34	17	78.1	27	8.47	28	45.4	12	13.67	18	74.1	21
30	29.59	21	43.9	31	8.51	21	75.4	27	8.75	34	44.2	9	13.85	21	72.0	22
Juni 9	29.80	26	40.8	29	8.72	25	72.7	26	9.09	39	43.3	5	14.06	24	69.8	21
19	30.06	29	37.9	27	8.97	28	70.1	25	9.48	43	42.8	2	14.30	27	67.7	22
29	30.35	32	35.2	25	9.25	30	67.6	24	9.91	45	42.6	2	14.57	30	65.5	21
Juli 9	30.67	33	32.7	22	9.55	31	65.2	21	10.36	47	42.8	6	14.87	30	63.4	20
19	31.00	34	30.5	18	9.86	32	63.1	19	10.83	48	43.4	10	15.17	32	61.4	18
29	31.34	34	28.7	14	10.18	32	61.2	14	11.31	47	44.4	12	15.49	31	59.6	16
Aug. 8	31.68	33	27.3	9	10.50	31	59.8	11	11.78	47	45.6	16	15.80	30	58.0	13
18	32.01	31	26.4	4	10.81	30	58.7	6	12.25	44	47.2	18	16.10	29	56.7	9
28	32.32	30	26.0	2	11.11	28	58.1	3	12.69	42	49.0	20	16.39	27	55.8	6
Sept. 7	32.62	27	26.2	6	11.39	25	57.8	2	13.11	39	51.0	22	16.66	25	55.2	3
17	32.89	24	26.8	10	11.64	23	58.0	6	13.50	35	53.2	23	16.91	23	54.9	1
27	33.13	20	27.8	15	11.87	19	58.6	10	13.85	31	55.5	24	17.14	20	55.0	5
Okt. 7	33.33	17	29.3	19	12.06	17	59.6	13	14.16	27	57.9	25	17.34	17	55.5	7
17	33.50	12	31.2	21	12.23	13	60.9	16	14.43	22	60.4	25	17.51	14	56.2	10
27	33.62	9	33.3	24	12.36	9	62.5	18	14.65	18	62.9	25	17.65	11	57.2	11
Nov. 6	33.71	5	35.7	24	12.45	6	64.3	20	14.83	12	65.4	24	17.76	7	58.3	13
16	33.76	1	38.1	24	12.51	3	66.3	19	14.95	7	67.8	22	17.83	5	59.6	14
26	33.77	3	40.5	23	12.54	0	68.2	19	15.02	1	70.0	20	17.88	1	61.0	14
Dez. 6	33.74	6	42.8	21	12.54	4	70.1	18	15.03	4	72.0	18	17.89	1	62.4	13
16	33.68	10	44.9	19	12.50	7	71.9	16	14.99	10	73.8	14	17.88	5	63.7	13
26	33.58	12	46.8	15	12.43	10	73.5	14	14.89	14	75.2	12	17.83	7	65.0	11
36	33.46		48.3		12.33		74.9		14.75		76.4		17.76		66.1	
Mittl. Ort	29.45		59.9		8.24		89.3		9.07		40.6		13.51		83.6	
sec δ, tg δ	1.189		−0.643		1.074		−0.391		1.639		+1.299		1.013		−0.163	

1914	105) 47 H. Cephei. AR.		Dekl. +		106) ϑ Eridani. AR.		Dekl. −		107) α Ceti. AR.		Dekl. +		108) γ Persei. AR.		Dekl. +	
	$2^h 54^m$		79° 4'		$2^h 54^m$		40° 38'		$2^h 57^m$		3° 45'		$2^h 58^m$		53° 10'	
	s		"		s		"		s		"		s		"	
Jan. 0	38.57		72.5		61.48		60.7		47.91		17.2		34.63		33.0	
		76		19		17		14		7		7		16		11
10	37.81		74.4		61.31		62.1		47.84		16.5		34.47		34.1	
		89		13		19		10		10		6		21		6
20	36.92		75.7		61.12		63.1		47.74		15.9		34.26		34.7	
		97		8		22		6		12		5		24		3
30	35.95		76.5		60.90		63.7		47.62		15.4		34.02		35.0	
		101		2		22		0		14		5		27		—2
Febr. 9	34.94		76.7		60.68		63.7		47.48		14.9		33.75		34.8	
		102		—5		23		4		14		4		27		6
19	33.92		76.2		60.45		63.3		47.34		14.5		33.48		34.2	
		98		11		23		9		14		2		26		10
März 1	32.94		75.1		60.22		62.4		47.20		14.3		33.22		33.2	
		89		16		21		14		13		1		24		13
11	32.05		73.5		60.01		61.0		47.07		14.2		32.98		31.9	
		75		20		18		17		11		0		20		16
21	31.30		71.5		59.83		59.3		46.96		14.2		32.78		30.3	
		60		24		15		22		8		3		15		18
31	30.70		69.1		59.68		57.1		46.88		14.5		32.63		28.5	
		41		26		10		25		5		4		10		19
April 10	30.29		66.5		59.58		54.6		46.83		14.9		32.53		26.6	
		19		28		6		28		0		6		2		20
20	30.10		63.7		59.52		51.8		46.83		15.5		32.51		24.6	
		—3		29		1		29		4		8		—5		20
30	30.13		60.8		59.51		48.9		46.87		16.3		32.56		22.6	
		27		30		—6		35		9		11		13		19
Mai 10	30.40		57.8		59.57		45.4		46.96		17.4		32.69		20.7	
		48		26		11		33		13		12		21		16
20	30.88		55.2		59.68		42.1		47.09		18.6		32.90		19.1	
		68		23		16		33		17		14		27		13
30	31.56		52.9		59.84		38.8		47.26		20.0		33.17		17.8	
		86		20		21		32		22		16		33		10
Juni 9	32.42		50.9		60.05		35.6		47.48		21.6		33.50		16.8	
		101		17		26		31		25		17		38		7
19	33.43		49.2		60.31		32.5		47.73		23.3		33.88		16.1	
		113		12		29		29		27		17		42		3
29	34.56		48.0		60.60		29.6		48.00		25.0		34.30		15.8	
		123		7		32		26		30		18		46		—1
Juli 9	35.79		47.3		60.92		27.0		48.30		26.8		34.76		15.9	
		130		2		35		22		31		17		48		4
19	37.09		47.1		61.27		24.8		48.61		28.5		35.24		16.3	
		134		—3		36		19		31		17		48		8
29	38.43		47.4		61.63		22.9		48.92		30.2		35.72		17.1	
		135		7		36		13		32		16		49		11
Aug. 8	39.78		48.1		61.99		21.6		49.24		31.8		36.21		18.2	
		133		12		36		8		30		14		47		14
18	41.11		49.3		62.35		20.8		49.54		33.2		36.68		19.6	
		129		16		34		3		30		12		46		16
28	42.40		50.9		62.69		20.5		49.84		34.4		37.14		21.2	
		122		21		33		—3		27		9		44		19
Sept. 7	43.62		53.0		63.02		20.8		50.11		35.3		37.58		23.1	
		114		24		29		8		26		8		40		21
17	44.76		55.4		63.31		21.6		50.37		36.1		37.98		25.2	
		104		27		26		13		23		4		37		23
27	45.80		58.1		63.57		22.9		50.60		36.5		38.35		27.5	
		91		30		23		17		21		2		34		24
Okt. 7	46.71		61.1		63.80		24.6		50.81		36.7		38.69		29.9	
		76		32		18		22		18		0		29		24
17	47.47		64.3		63.98		26.8		50.99		36.7		38.98		32.3	
		61		34		14		25		15		2		24		25
27	48.08		67.7		64.12		29.3		51.14		36.5		39.22		34.8	
		43		35		9		26		12		5		19		25
Nov. 6	48.51		71.2		64.21		31.9		51.26		36.0		39.41		37.3	
		25		35		5		27		9		5		14		24
16	48.76		74.7		64.26		34.6		51.35		35.5		39.55		39.7	
		6		33		1		28		6		7		9		22
26	48.82		78.0		64.27		37.4		51.41		34.8		39.64		41.9	
		—14		32		—4		26		3		7		3		21
Dez. 6	48.68		81.2		64.23		40.0		51.44		34.1		39.67		44.0	
		33		29		9		23		0		8		—2		18
16	48.35		84.1		64.14		42.3		51.44		33.3		39.65		45.8	
		51		26		12		21		3		7		9		16
26	47.84		86.7		64.02		44.4		51.41		32.6		39.56		47.4	
		67		21		15		17		6		7		14		12
36	47.17		88.8		63.87		46.1		51.35		31.9		39.42		48.6	
Mittl. Ort	35.98		49.4		59.93		55.6		46.91		10.6		33.51		13.6	
sec δ, tg δ	5.279		+5.182		1.318		−0.858		1.002		+0.066		1.668		+1.335	

1914	109) ρ Persei. AR.	Δ	109) ρ Persei. Dekl. +	Δ	110) μ Horologii. AR.	Δ	110) μ Horologii. Dekl. —	Δ	111) β Persei. AR.	Δ	111) β Persei. Dekl. +	Δ	114) δ Arietis. AR.	Δ	114) δ Arietis. Dekl. +	Δ
	$2^h\ 59^m$		38° 30′		$3^h\ 1^m$		60° 3′		$3^h\ 2^m$		40° 37′		$3^h\ 6^m$		19° 24′	
Jan. 0	40.59	10	44.2	6	37.49	36	83.8	15	35.07	11	47.0	6	43.49	7	18.9	1
10	40.49	14	44.8	2	37.13	37	85.3	10	34.96	14	47.6	4	43.42	10	18.8	3
20	40.35	17	45.0	1	36.76	39	86.3	4	34.82	18	48.0	0	43.32	13	18.5	3
30	40.18	18	44.9	3	36.37	40	86.7	2	34.64	19	48.0	3	43.19	14	18.2	4
Febr. 9	40.00	19	44.6	6	35.97	41	86.5	7	34.45	19	47.7	6	43.05	15	17.8	5
19	39.81	19	44.0	9	35.56	39	85.8	13	34.26	20	47.1	9	42.90	15	17.3	6
März 1	39.62	17	43.1	10	35.17	37	84.5	17	34.06	18	46.2	10	42.75	14	16.7	5
11	39.45	14	42.1	12	34.80	33	82.8	23	33.88	15	45.2	13	42.61	12	16.2	6
21	39.31	11	40.9	13	34.47	28	80.5	26	33.73	12	43.9	14	42.49	9	15.6	5
31	39.20	7	39.6	14	34.19	23	77.9	30	33.61	7	42.5	14	42.40	5	15.1	3
April 10	39.13	1	38.2	13	33.96	15	74.9	33	33.54	1	41.1	14	42.35	2	14.8	3
20	39.12	5	36.9	12	33.81	8	71.6	35	33.53	4	39.7	13	42.33	4	14.5	2
30	39.17	12	35.7	11	33.73	0	68.1	39	33.57	12	38.4	13	42.37	9	14.3	1
Mai 10	[8] 39.29	17	34.6	8	[8] 33.73	8	64.2	37	[9] 33.69	17	37.1	9	[10] 42.46	15	14.4	3
20	39.46	22	33.8	6	33.81	15	60.5	36	33.86	22	36.2	7	42.61	18	14.7	5
30	39.68	27	33.2	3	33.96	23	56.9	35	34.08	27	35.5	4	42.79	22	15.2	7
Juni 9	39.95	31	32.9	1	34.19	30	53.4	33	34.35	32	35.1	1	43.01	26	15.9	9
19	40.26	35	33.0	3	34.49	36	50.1	30	34.67	35	35.0	2	43.27	29	16.8	11
29	40.61	37	33.3	6	34.85	41	47.1	27	35.02	38	35.2	5	43.56	31	17.9	12
Juli 9	40.98	38	33.9	8	35.26	45	44.4	22	35.40	39	35.7	7	43.87	33	19.1	13
19	41.36	39	34.7	11	35.71	47	42.2	17	35.79	40	36.4	11	44.20	33	20.4	15
29	41.75	39	35.8	13	36.18	49	40.5	11	36.19	40	37.5	12	44.53	34	21.9	14
Aug. 8	42.14	38	37.1	14	36.67	49	39.4	6	36.59	39	38.7	14	44.87	32	23.3	14
18	42.52	37	38.5	17	37.16	48	38.8	1	36.98	38	40.1	16	45.19	31	24.7	14
28	42.89	34	40.2	17	37.64	45	38.9	7	37.36	35	41.7	17	45.50	30	26.1	13
Sept. 7	43.23	32	41.9	18	38.09	41	39.6	12	37.71	34	43.4	18	45.80	28	27.4	12
17	43.55	30	43.7	18	38.50	37	40.8	18	38.05	30	45.2	19	46.08	25	28.6	11
27	43.85	26	45.5	18	38.87	31	42.6	23	38.35	28	47.1	18	46.33	23	29.7	9
Okt. 7	44.11	24	47.3	18	39.18	24	44.9	27	38.63	24	48.9	19	46.56	21	30.6	8
17	44.35	20	49.1	17	39.42	17	47.6	30	38.87	20	50.8	19	46.77	17	31.4	7
27	44.55	16	50.8	17	39.59	10	50.6	31	39.07	17	52.7	18	46.94	15	32.1	5
Nov. 6	44.71	12	52.5	15	39.69	2	53.7	33	39.24	13	54.5	17	47.09	11	32.6	4
16	44.83	8	54.0	15	39.71	5	57.0	31	39.37	9	56.2	15	47.20	8	33.0	2
26	44.91	4	55.5	13	39.66	12	60.1	30	39.46	4	57.7	14	47.28	5	33.2	2
Dez. 6	44.95	0	56.8	11	39.54	19	63.1	27	39.50	0	59.1	12	47.33	1	33.4	1
16	44.95	4	57.9	8	39.35	26	65.8	22	39.50	5	60.3	10	47.34	2	33.5	1
26	44.91	9	58.7	6	39.09	30	68.0	19	39.45	8	61.3	7	47.32	6	33.4	1
36	44.82		59.3		38.79		69.9		39.37		62.0		47.26		33.3	
Mittl. Ort	39.60		28.0		35.04		75.9		34.04		30.4		42.49		7.7	
sec δ, tg δ	1.278		+0.796		2.004		−1.736		1.318		+0.858		1.060		+0.352	

1914	117) 12 Eridani. AR.		Dekl. −		115) 48 H. Cephei. AR.		Dekl. +		120) α Persei. AR.		Dekl. +		121) ο Tauri. AR.		Dekl. +	
	$3^h\ 8^m$		29° 18′		$3^h\ 9^m$		77° 25′		$3^h\ 18^m$		49° 33′		$3^h\ 20^m$		8° 43′	
Jan. 0	26.37	12	94.0	15	24.46	60	35.8	20	11.78	13	39.7	10	12.08	6	45.1	6
10	26.25	14	95.5	11	23.86	72	37.8	15	11.65	17	40.7	7	12.02	9	44.5	5
20	26.11	17	96.6	7	23.14	81	39.3	9	11.48	21	41.4	4	11.93	12	44.0	5
30	25.94	18	97.3	3	22.33	87	40.2	3	11.27	23	41.8	0	11.81	14	43.5	4
Febr. 9	25.76	19	97.6	1	21.46	88	40.5	3	11.04	24	41.8	4	11.67	14	43.1	4
19	25.57	19	97.5	5	20.58	86	40.2	9	10.80	25	41.4	8	11.53	15	42.7	3
März 1	25.38	17	97.0	9	19.72	79	39.3	14	10.55	23	40.6	11	11.38	14	42.4	3
11	25.21	15	96.1	13	18.93	69	37.9	18	10.32	20	39.5	14	11.24	13	42.1	1
21	25.06	13	94.8	17	18.24	56	36.1	23	10.12	16	38.1	16	11.11	9	42.0	0
31	24.93	9	93.1	19	17.68	39	33.8	25	9.96	11	36.5	17	11.02	7	42.0	1
April 10	24.84	5	91.2	23	17.29	22	31.3	27	9.85	4	34.8	17	10.95	2	42.1	3
20	24.79	0	88.9	26	17.07	3	28.6	28	9.81	2	33.1	18	10.93	2	42.4	4
30	24.79	4	86.3	27	17.04	17	25.8	28	9.83	9	31.3	16	10.95	6	42.8	7
Mai 10	24.83	11	83.6	31	17.21	40	23.0	28	9.92	18	29.7	16	11.01	13	43.5	10
20	[10] 24.94	15	80.5	30	[10] 17.61	55	20.2	24	[13] 10.10	23	28.1	13	[13] 11.14	16	44.5	10
30	25.09	19	77.5	29	18.16	71	17.8	21	10.33	29	26.8	10	11.30	20	45.5	13
Juni 9	25.28	24	74.6	29	18.87	85	15.7	17	10.62	34	25.8	6	11.50	23	46.8	13
19	25.52	27	71.7	27	19.72	97	14.0	14	10.96	38	25.2	4	11.73	27	48.1	15
29	25.79	29	69.0	26	20.69	106	12.6	8	11.34	42	24.8	0	12.00	29	49.6	15
Juli 9	26.08	31	66.4	23	21.75	114	11.8	4	11.76	44	24.8	3	12.29	30	51.1	16
19	26.39	33	64.1	19	22.89	118	11.4	0	12.20	45	25.1	6	12.59	32	52.7	15
29	26.72	33	62.2	16	24.07	119	11.4	5	12.65	46	25.7	9	12.91	31	54.2	15
Aug. 8	27.05	33	60.6	11	25.26	119	11.9	10	13.11	45	26.6	12	13.22	32	55.7	13
18	27.38	31	59.5	6	26.45	116	12.9	14	13.56	44	27.8	15	13.54	30	57.0	12
28	27.69	30	58.9	1	27.61	111	14.3	19	14.00	42	29.3	16	13.84	29	58.2	11
Sept. 7	27.99	28	58.8	4	28.72	105	16.2	22	14.42	40	30.9	18	14.13	27	59.3	8
17	28.27	25	59.2	8	29.77	96	18.4	25	14.82	37	32.7	20	14.40	25	60.1	6
27	28.52	22	60.0	12	30.73	86	20.9	28	15.19	33	34.7	20	14.65	23	60.7	4
Okt. 7	28.74	19	61.2	17	31.59	74	23.7	31	15.52	30	36.7	22	14.88	20	61.1	1
17	28.93	15	62.9	20	32.33	60	26.8	33	15.82	26	38.9	22	15.08	18	61.2	0
27	29.08	12	64.9	22	32.93	46	30.1	33	16.08	21	41.1	21	15.26	15	61.2	2
Nov. 6	29.20	8	67.1	23	33.39	30	33.4	34	16.29	17	43.2	22	15.41	12	61.0	3
16	29.28	4	69.4	23	33.69	14	36.8	33	16.46	12	45.4	20	15.53	9	60.7	4
26	29.32	0	71.7	23	33.83	4	40.1	31	16.58	6	47.4	19	15.62	5	60.3	5
Dez. 6	29.32	4	74.0	22	33.79	21	43.2	30	16.64	0	49.3	17	15.67	2	59.8	5
16	29.28	7	76.2	20	33.58	37	46.2	26	16.64	4	51.0	15	15.69	1	59.3	6
26	29.21	10	78.2	16	33.21	52	48.8	22	16.60	10	52.5	12	15.68	5	58.7	6
36	29.11		79.8		32.69		51.0		16.50		53.7		15.63		58.1	
Mittl. Ort	25.01		92.2		21.71		13.3		10.52		21.4		10.99		36.7	
sec δ, tg δ	1.147		−0.562		4.591		+4.481		1.542		+1.173		1.012		+0.154	

1914	122) 2 H. Camelop. AR.		Dekl. +		125) *f* Tauri. AR.		Dekl. +	
	$3^h 22^m$		59° 38′		$3^h 26^m$		12° 38′	
	s		″		s		″	
Jan. 0	7.15	18	50.0	15	8.47	6	42.8	4
10	6.97	24	51.5	11	8.41	9	42.4	4
20	6.73	29	52.6	6	8.32	12	42.0	4
30	6.44	32	53.2	1	8.20	13	41.6	4
Febr. 9	6.12	33	53.3	3	8.07	15	41.2	4
19	5.79	34	53.0	7	7.92	15	40.8	4
März 1	5.45	31	52.3	12	7.77	14	40.4	3
11	5.14	28	51.1	15	7.63	13	40.1	3
21	4.86	22	49.6	18	7.50	11	39.8	2
31	4.64	16	47.8	20	7.39	7	39.6	0
April 10	4.48	8	45.8	22	7.32	3	39.6	0
20	4.40	1	43.6	22	7.29	2	39.6	3
30	4.41	9	41.4	21	7.31	6	39.9	4
Mai 10	4.50	20	39.3	22	7.37	12	40.3	7
20	4.70	27	37.1	17	7.49	16	41.0	8
30	4.97	34	35.4	15	7.65	20	41.8	10
Juni 9	5.31	41	33.9	12	7.85	24	42.8	11
19	5.72	46	32.7	7	8.09	26	43.9	13
29	6.18	50	32.0	5	8.35	29	45.2	14
Juli 9	6.68	54	31.5	0	8.64	31	46.6	14
19	7.22	55	31.5	3	8.95	32	48.0	14
29	7.77	57	31.8	7	9.27	32	49.4	14
Aug. 8	8.34	56	32.5	10	9.59	32	50.8	14
18	8.90	55	33.5	13	9.91	31	52.2	12
28	9.45	52	34.8	17	10.22	29	53.4	10
Sept. 7	9.97	50	36.5	19	10.51	28	54.4	10
17	10.47	47	38.4	21	10.79	26	55.4	7
27	10.94	42	40.5	23	11.05	24	56.1	5
Okt. 7	11.36	37	42.8	25	11.29	21	56.6	4
17	11.73	33	45.3	26	11.50	19	57.0	2
27	12.06	27	47.9	26	11.69	15	57.2	0
Nov. 6	12.33	20	50.5	26	11.84	13	57.2	1
16	12.53	13	53.1	26	11.97	10	57.1	1
26	12.66	7	55.7	24	12.07	6	57.0	3
Dez. 6	12.73	1	58.1	23	12.13	3	56.7	3
16	12.72	8	60.4	19	12.16	1	56.4	4
26	12.64	15	62.3	17	12.15	4	56.0	4
36	12.49		64.0		12.11		55.6	
Mittl. Ort	5.61		30.1		7.35		33.3	
sec δ, tg δ	1.979		+1.707		1.025		+0.224	

1914	127) ε Eridani. AR.		Dekl. −		131) δ Persei. AR.		Dekl. +	
	$3^h 28^m$		9° 44′		$3^h 36^m$		47° 30′	
	s		″		s		″	
Jan. 0	53.90	7	52.1	12	49.11	10	65.9	11
10	53.83	10	53.3	9	49.01	15	67.0	8
20	53.73	13	54.2	8	48.86	19	67.8	4
30	53.60	15	55.0	5	48.67	21	68.2	1
Febr. 9	53.45	15	55.5	3	48.46	23	68.3	2
19	53.30	16	55.8	0	48.23	24	68.1	6
März 1	53.14	15	55.8	2	47.99	23	67.5	9
11	52.99	14	55.6	5	47.76	21	66.6	12
21	52.85	12	55.1	7	47.55	16	65.4	14
31	52.73	8	54.4	10	47.39	12	64.0	15
April 10	52.65	4	53.4	13	47.27	7	62.5	17
20	52.61	1	52.1	15	47.20	0	60.8	16
30	52.60	4	50.6	17	47.20	6	59.2	15
Mai 10	52.64	10	48.9	20	47.26	15	57.7	16
20	52.74	14	46.9	21	47.41	20	56.1	12
30	52.88	17	44.8	21	47.61	26	54.9	10
Juni 9	53.05	22	42.7	22	47.87	31	53.9	8
19	53.27	25	40.5	22	48.18	36	53.1	4
29	53.52	27	38.3	21	48.54	39	52.7	1
Juli 9	53.79	29	36.2	20	48.93	42	52.6	2
19	54.08	30	34.2	19	49.35	43	52.8	4
29	54.38	30	32.3	15	49.78	44	53.2	7
Aug. 8	54.68	31	30.8	13	50.22	44	53.9	10
18	54.99	29	29.5	10	50.66	43	54.9	12
28	55.28	29	28.5	7	51.09	42	56.1	14
Sept. 7	55.57	27	27.8	2	51.51	40	57.5	16
17	55.84	25	27.6	1	51.91	37	59.1	17
27	56.09	22	27.7	4	52.28	35	60.8	19
Okt. 7	56.31	20	28.1	8	52.63	31	62.7	19
17	56.51	17	28.9	10	52.94	27	64.6	19
27	56.68	14	29.9	13	53.21	24	66.5	20
Nov. 6	56.82	11	31.2	14	53.45	19	68.5	20
16	56.93	8	32.6	15	53.64	14	70.5	19
26	57.01	5	34.1	16	53.78	9	72.4	18
Dez. 6	57.06	1	35.7	15	53.87	4	74.2	16
16	57.07	2	37.2	14	53.91	2	75.8	14
26	57.05	6	38.6	13	53.89	7	77.2	12
36	56.99		39.9		53.82		78.4	
Mittl. Ort	52.68		55.8		47.71		48.5	
sec δ, tg δ	1.015		−0.172		1.481		+1.092	

1914	134) ν Persei. AR.		Dekl. +		138) 5 H. Camelop. AR.		Dekl. +		139) η Tauri. AR.		Dekl. +		141) β Reticuli. AR.		Dekl. —	
	3h 39m		42° 18′		3h 41m		71° 4′		3h 42m		23° 50′		3h 43m		65° 4′	
Jan. 0	22.09		44.3		18.09		27.8		23.37		36.1		10.10		44.3	
10	22.01	8	45.1	8	17.79	30	29.8	20	23.32	5	36.2	1	9.73	37	46.4	21
20	21.88	13	45.7	6	17.39	40	31.5	17	23.23	9	36.2	0	9.30	43	47.9	15
30	21.72	16	46.1	4	16.92	47	32.6	11	23.11	12	36.0	2	8.82	48	48.8	9
Febr. 9	21.53	19	46.1	0	16.39	53	33.1	5	22.97	14	35.8	2	8.32	50	49.2	4
19	21.32	21	45.8	3	15.83	56	33.2	1	22.81	16	35.4	4	7.80	52	49.1	1
März 1	21.11	21	45.3	5	15.26	57	32.7	5	22.64	17	35.0	4	7.28	52	48.2	9
11	20.90	21	44.5	8	14.72	54	31.7	10	22.48	16	34.5	5	6.78	50	46.9	13
21	20.72	18	43.4	11	14.23	49	30.2	15	22.34	14	33.9	6	6.30	48	45.1	18
31	20.57	15	42.2	12	13.81	42	28.4	18	22.22	12	33.3	6	5.89	41	42.9	22
April 10	20.46	11	40.9	13	13.49	32	26.2	22	22.13	9	32.8	5	5.53	36	40.2	27
20	20.40	6	39.5	14	13.29	20	23.8	24	22.08	5	32.3	5	5.24	29	37.2	30
30	20.40	0	38.1	14	13.21	8	21.2	26	22.08	0	31.9	4	5.02	22	33.9	33
Mai 10	20.46	6	36.8	13	13.26	5	18.7	25	22.14	6	31.6	3	4.90	12	30.5	34
20	[18] 20.60	14	35.5	13	[18] 13.47	21	15.9	28	[19] 22.25	11	31.5	1	[19] 4.87	3	26.5	40
30	20.79	19	34.6	9	13.78	31	13.6	23	22.41	16	31.6	1	4.94	7	22.9	36
Juni 9	21.03	24	33.9	7	14.22	44	11.5	21	22.61	20	31.9	3	5.10	16	19.3	36
19	21.31	28	33.4	5	14.76	54	9.7	18	22.85	24	32.4	5	5.35	25	15.8	35
29	21.64	33	33.2	2	15.40	64	8.2	15	23.12	27	33.0	6	5.68	33	12.6	32
Juli 9	22.00	36	33.2	0	16.10	70	7.2	10	23.42	30	33.9	9	6.07	39	9.7	29
19	22.39	39	33.6	4	16.87	77	6.5	7	23.74	32	34.8	9	6.53	46	7.1	26
29	22.79	40	34.2	6	17.67	80	6.3	2	24.08	34	35.9	11	7.04	51	5.0	21
Aug. 8	23.19	40	35.0	8	18.51	84	6.5	2	24.42	34	37.0	11	7.57	53	3.5	15
18	23.60	41	36.0	10	19.35	84	7.1	6	24.75	33	38.2	12	8.13	56	2.6	9
28	24.00	40	37.2	12	20.18	83	8.1	10	25.09	34	39.4	14	8.69	56	2.2	4
Sept. 7	24.39	39	38.5	13	20.99	81	9.5	14	25.41	32	40.5	11	9.23	54	2.5	3
17	24.76	37	39.9	14	21.77	78	11.2	17	25.71	30	41.6	11	9.74	51	3.4	9
27	25.11	35	41.5	16	22.49	72	13.3	21	26.00	29	42.6	10	10.22	48	5.0	16
Okt. 7	25.43	32	43.2	17	23.17	68	15.6	23	26.27	27	43.5	9	10.64	42	7.0	20
17	25.72	29	44.8	16	23.77	60	18.2	26	26.51	24	44.4	9	10.99	35	9.6	26
27	25.97	25	46.5	17	24.29	52	21.0	28	26.73	22	45.1	7	11.26	27	12.5	29
Nov. 6	26.20	23	48.2	17	24.73	44	23.9	29	26.92	19	45.7	6	11.44	18	15.7	32
16	26.38	18	49.9	17	25.07	34	26.9	30	27.07	15	46.3	6	11.53	9	19.0	33
26	26.52	14	51.5	16	25.29	22	30.0	31	27.19	12	46.7	4	11.53	0	22.4	34
Dez. 6	26.61	9	53.0	15	25.40	11	32.9	29	27.28	9	47.1	4	11.44	9	25.7	33
16	26.66	5	54.4	14	25.39	1	35.6	27	27.33	5	47.4	3	11.26	18	28.7	30
26	26.65	1	55.5	11	25.25	14	38.2	26	27.33	0	47.6	2	11.00	26	31.4	27
36	26.59	6	56.5	10	25.01	24	40.4	22	27.30	3	47.7	1	10.66	34	33.7	23
Mittl. Ort	20.76		27.9		15.51		7.1		22.16		23.9		7.01		38.9	
sec δ, tg δ	1.352		+0.910		3.082		+2.915		1.093		+0.442		2.372		−2.151	

1914	140) τ⁶ Eridani. AR.		140) τ⁶ Eridani. Dekl. —		143) *g* Eridani. AR.		143) *g* Eridani. Dekl. —		146) γ Hydri. AR.		146) γ Hydri. Dekl. —		144) ζ Persei. AR.		144) ζ Persei. Dekl. +	
	$3^h 43^m$		23° 29′		$3^h 46^m$		36° 27′		$3^h 48^m$		74° 29′		$3^h 48^m$		31° 37′	
Jan. 0	10.24	9	70.3	16	15.78	12	38.2	19	38.31	67	75.9	20	44.63	5	58.6	4
10	10.15	12	71.9	13	15.66	16	40.1	15	37.64	73	77.9	15	44.58	9	59.0	3
20	10.03	14	73.2	10	15.50	18	41.6	11	36.91	81	79.4	9	44.49	13	59.3	1
30	9.89	17	74.2	7	15.32	21	42.7	7	36.10	86	80.3	4	44.36	16	59.4	— 1
Febr. 9	9.72	18	74.9	3	15.11	23	43.4	2	35.24	88	80.7	— 3	44.20	17	59.3	3
19	9.54	18	75.2	— 1	14.88	22	43.6	— 3	34.36	87	80.4	8	44.03	18	59.0	4
März 1	9.36	18	75.1	5	14.66	22	43.3	7	33.49	85	79.6	13	43.85	18	58.6	6
11	9.18	17	74.6	8	14.44	21	42.6	12	32.64	79	78.3	19	43.67	16	58.0	8
21	9.01	15	73.8	12	14.23	18	41.4	16	31.85	73	76.4	23	43.51	14	57.2	8
31	8.86	11	72.6	15	14.05	15	39.8	20	31.12	64	74.1	27	43.37	9	56.4	9
April 10	8.75	7	71.1	18	13.90	11	37.8	23	30.48	52	71.4	30	43.28	6	55.5	8
20	8.68	3	69.3	21	13.79	6	35.5	26	29.96	41	68.4	33	43.22	0	54.7	9
30	8.65	— 1	67.2	23	13.73	1	32.9	28	29.55	28	65.1	34	43.22	4	53.8	7
Mai 10	8.66	7	64.9	27	13.72	— 4	30.1	30	29.27	13	61.7	36	43.26	10	53.1	5
20	19 8.73	12	62.2	27	13.76	10	27.1	34	29.14	— 2	58.1	40	43.36	17	52.6	4
30	8.85	16	59.5	26	20 13.86	16	23.7	31	20 29.16	15	54.1	36	20 43.53	21	52.2	2
Juni 9	9.01	20	56.9	27	14.02	20	20.6	32	29.31	29	50.5	34	43.74	25	52.0	0
19	9.21	23	54.2	27	14.22	24	17.4	29	29.60	41	47.1	32	43.99	28	52.0	2
29	9.44	27	51.5	25	14.46	28	14.5	28	30.01	52	43.9	29	44.27	32	52.2	5
Juli 9	9.71	29	49.0	22	14.74	30	11.7	25	30.53	66	41.0	25	44.59	34	52.7	6
19	10.00	30	46.8	20	15.04	32	9.2	21	31.19	71	38.5	20	44.93	35	53.3	8
29	10.30	31	44.8	17	15.36	34	7.1	17	31.90	78	36.5	15	45.28	36	54.1	9
Aug. 8	10.61	32	43.1	13	15.70	34	5.4	13	32.68	82	35.0	9	45.64	37	55.0	10
18	10.93	31	41.8	8	16.04	34	4.1	7	33.50	82	34.1	3	46.01	35	56.0	11
28	11.24	30	41.0	4	16.38	32	3.4	2	34.32	82	33.8	— 4	46.36	34	57.1	12
Sept. 7	11.54	28	40.6	— 1	16.70	32	3.2	— 3	35.14	77	34.2	10	46.70	34	58.3	12
17	11.82	27	40.7	5	17.02	29	3.5	9	35.91	71	35.2	16	47.04	31	59.5	12
27	12.09	24	41.2	10	17.31	26	4.4	14	36.62	63	36.8	21	47.35	29	60.7	11
Okt. 7	12.33	22	42.2	14	17.57	23	5.8	19	37.25	51	38.9	25	47.64	27	61.8	12
17	12.55	18	43.6	17	17.80	20	7.7	22	37.76	39	41.4	30	47.91	23	63.0	11
27	12.73	15	45.3	20	18.00	15	9.9	25	38.15	25	44.4	32	48.14	21	64.1	11
Nov. 6	12.88	12	47.3	21	18.15	12	12.4	27	38.40	10	47.6	34	48.35	18	65.2	10
16	13.00	8	49.4	22	18.27	7	15.1	28	38.50	— 5	51.0	34	48.53	13	66.2	9
26	13.08	5	51.6	24	18.34	2	17.9	27	38.45	21	54.4	32	48.66	10	67.1	9
Dez. 6	13.13	1	54.0	22	18.36	— 1	20.6	27	38.24	34	57.6	31	48.76	6	68.0	7
16	13.14	— 4	56.2	20	18.35	6	23.3	24	37.90	49	60.7	27	48.82	1	68.7	6
26	13.10	6	58.2	18	18.29	11	25.7	22	37.41	60	63.4	23	48.83	— 4	69.3	5
36	13.04		60.0		18.18		27.9		36.81		65.7		48.79		69.8	
Mittl. Ort	8.82		71.3		14.14		36.8		33.48		70.3		43.35		44.7	
sec δ, tg δ	1.090		—0.435		1.243		—0.739		3.742		—3.606		1.174		+0.616	

1914	145) 9 H. Camelop. AR.		Dekl. +		147) ε Persei. AR.		Dekl. +		148) ξ Persei. AR.		Dekl. +		149) γ Eridani. AR.		Dekl. —	
	$3^h 49^m$		60° 51′		$3^h 52^m$		39° 45′		$3^h 53^m$		35° 32′		$3^h 54^m$		13° 44′	
Jan. 0	49.54		47.9		6.08		59.7		24.21		55.0		2.31		65.8	
10	49.39	15	49.7	18	6.01	7	60.5	8	24.16	5	55.7	7	2.25	6	67.2	14
20	49.17	22	51.0	13	5.90	11	61.1	6	24.06	10	56.1	4	2.16	9	68.4	12
30	48.89	28	52.0	10	5.76	14	61.5	4	23.92	14	56.4	3	2.04	12	69.4	10
Febr. 9	48.57	32	52.5	5	5.58	18	61.6	1 —	23.76	16	56.4	0	1.89	15	70.0	6
19	48.22	35	52.5	0	5.39	19	61.4	2	23.58	18	56.2	2	1.73	16	70.4	4
März 1	47.86	36	52.0	5	5.18	21	61.0	4	23.39	19	55.8	4	1.56	17	70.5	1 —
11	47.52	34	51.2	8	4.98	20	60.3	7	23.20	19	55.2	6	1.39	17	70.3	2
21	47.20	32	49.9	13	4.79	19	59.4	9	23.02	18	54.3	9	1.24	15	69.8	5
31	46.93	27	48.3	16	4.64	15	58.3	11	22.88	14	53.4	9	1.11	13	69.0	8
April 10	46.73	20	46.4	19	4.52	12	57.1	12	22.77	11	52.4	10	1.00	11	67.9	11
20	46.60	13	44.3	21	4.46	6	55.9	12	22.70	7	51.4	10	0.93	7	66.6	13
30	46.55	5 —	42.2	21	4.44	2 —	54.7	12	22.69	1 —	50.4	10	0.91	2 —	65.0	16
Mai 10	46.59	4	40.0	22	4.48	4	53.5	12	22.74	5	49.4	10	0.92	1	63.2	18
20	46.72	13	37.9	21	4.59	11	52.5	10	22.84	10	48.6	8	0.98	6	61.2	20
30	(21) 46.96	24	35.8	21	(21) 4.77	18	51.6	9	(22) 23.01	17	47.9	7	(22) 1.10	12	58.8	24
Juni 9	47.27	31	34.0	18	4.99	22	50.9	7	23.22	21	47.5	4	1.25	15	56.5	23
19	47.65	38	32.6	14	5.26	27	50.4	5	23.47	25	47.3	2	1.45	20	54.2	23
29	48.10	45	31.4	12	5.57	31	50.3	1	23.77	30	47.3	0	1.67	22	51.9	23
Juli 9	48.59	49	30.6	8	5.91	34	50.3	0	24.09	32	47.5	2	1.93	26	49.7	22
19	49.13	54	30.2	4	6.28	37	50.6	3	24.44	35	48.0	5	2.21	28	47.6	21
29	49.69	56	30.1	1 —	6.66	38	51.1	5	24.81	37	48.6	6	2.51	30	45.7	19
Aug. 8	50.27	58	30.4	3	7.05	39	51.8	7	25.18	37	49.4	8	2.81	30	44.0	17
18	50.86	59	31.0	6	7.44	39	52.7	9	25.55	37	50.3	9	3.11	30	42.7	13
28	51.44	58	31.9	9	7.83	39	53.8	11	25 92	37	51.4	11	3.41	30	41.7	10
Sept. 7	52.00	56	33.2	13	8.21	38	55.0	12	26.28	36	52.5	11	3.71	30	41.1	6
17	52.54	54	34.8	16	8.58	37	56.2	12	26.63	35	53.8	13	3.99	28	41.0	1 —
27	53.06	52	36.6	18	8.92	34	57.6	14	26.96	33	55.0	12	4.26	27	41.1	1
Okt. 7	53.54	48	38.6	20	9.24	32	59.0	14	27.27	31	56.3	13	4.50	24	41.7	6
17	53.98	44	40.8	22	9.54	30	60.5	15	27.55	28	57.5	12	4.72	22	42.7	10
27	54.36	38	43.2	24	9.80	26	62.0	15	27.80	25	58.8	13	4.92	20	44.0	13
Nov. 6	54.69	33	45.7	25	10.04	24	63.5	15	28.03	23	60.1	13	5.08	16	45.5	15
16	54.96	27	48.3	26	10.23	19	64.9	14	28.21	18	61.3	12	5.22	14	47.2	17
26	55.16	20	50.9	26	10.38	15	66.3	14	28.36	15	62.4	11	5.32	10	49.0	18
Dez. 6	55.28	12	53.3	24	10.49	11	67.7	14	28.47	11	63.5	11	5.39	7	50.9	19
16	55.32	4 —	55.7	24	10.55	6	68.9	12	28.53	6	64.5	10	5.42	3	52.7	18
26	55.29	3	57.8	21	10.56	1 —	70.0	11	28.54	1 —	65.3	8	5.42	0	54.4	17
36	55.17	12	59.7	19	10.52	4	70.9	9	28.51	3	66.0	7	5.37	5	55.9	15
Mittl. Ort	47.61		28.8		4.68		44.3		22.86		40.5		0.97		69.3	
sec δ, tg δ	2.053		+1.793		1.301		+0.832		1.229		+0.714		1.029		—0.245	

1914	150) λ Tauri.				151) ν Tauri.				152) c Persei.				154) ο¹ Eridani.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —	
	3h 55m		12° 14′		3h 58m		5° 45′		4h 2m		47° 29′		4h 7m		7° 3′	
Jan. 0	56.06	4	62.5	4	36.06	4	12.9	7	26.37	7	18.4	12	41.34	4	35.0	12
10	56.02	8	62.1	4	36.02	8	12.2	6	26.30	13	19.6	10	41.30	8	36.2	10
20	55.94	10	61.7	4	35.94	10	11.6	6	26.17	17	20.6	7	41.22	10	37.2	9
30	55.84	14	61.3	4	35.84	13	11.0	5	26.00	20	21.3	3	41.12	14	38.1	7
Febr. 9	55.70	14	60.9	3	35.71	14	10.5	4	25.80	23	21.6	0	40.98	15	38.8	4
19	55.56	16	60.6	3	35.57	16	10.1	3	25.57	25	21.6	4	40.83	17	39.2	2
März 1	55.40	15	60.3	3	35.41	15	9.8	1	25.32	23	21.2	6	40.66	16	39.4	0
11	55.25	15	60.0	3	35.26	14	9.7	1	25.09	22	20.6	10	40.50	15	39.4	3
21	55.10	12	59.7	1	35.12	13	9.6	1	24.87	20	19.6	12	40.35	14	39.1	5
31	54.98	9	59.6	0	34.99	9	9.7	3	24.67	15	18.4	14	40.21	11	38.6	7
April 10	54.89	6	59.6	1	34.90	6	10.0	4	24.52	9	17.0	15	40.10	7	37.9	10
20	54.83	1	59.7	2	34.84	2	10.4	6	24.43	3	15.5	16	40.03	3	36.9	13
30	54.82	4	59.9	4	34.82	3	11.0	7	24.40	3	13.9	15	40.00	1	35.6	14
Mai 10	54.86	8	60.3	5	34.85	7	11.7	10	24.43	10	12.4	15	40.01	5	34.2	16
20	54.94 (22)	14	60.8	9	34.92 (23)	13	12.7	12	24.53 (24)	18	10.9	15	40.06 (25)	11	32.6	20
30	55.08	17	61.7	9	35.05	17	13.9	12	24.71	23	9.4	11	40.17	15	30.6	19
Juni 9	55.25	21	62.6	10	35.22	20	15.1	14	24.94	28	8.3	9	40.32	18	28.7	20
19	55.46	24	63.6	11	35.42	24	16.5	14	25.22	33	7.4	6	40.50	22	26.7	20
29	55.70	28	64.7	13	35.66	26	17.9	15	25.55	37	6.8	4	40.72	25	24.7	20
Juli 9	55.98	29	66.0	13	35.92	29	19.4	15	25.92	40	6.4	1	40.97	27	22.7	19
19	56.27	31	67.3	13	36.21	30	20.9	15	26.32	42	6.3	1	41.24	29	20.8	17
29	56.58	32	68.6	12	36.51	30	22.4	14	26.74	44	6.4	4	41.53	30	19.1	16
Aug. 8	56.90	31	69.8	12	36.81	31	23.8	12	27.18	44	6.8	7	41.83	30	17.5	13
18	57.21	31	71.0	11	37.12	31	25.0	11	27.62	43	7.5	9	42.13	30	16.2	10
28	57.52	31	72.1	9	37.43	29	26.1	8	28.05	43	8.4	11	42.43	30	15.2	7
Sept. 7	57.83	29	73.0	8	37.72	29	26.9	6	28.48	41	9.5	12	42.73	28	14.5	4
17	58.12	28	73.8	6	38.01	27	27.5	4	28.89	40	10.7	15	43.01	27	14.1	0
27	58.40	25	74.4	4	38.28	25	27.9	2	29.29	37	12.2	15	43.28	25	14.1	4
Okt. 7	58.65	24	74.8	2	38.53	24	28.1	1	29.66	35	13.7	17	43.53	24	14.5	6
17	58.89	21	75.0	0	38.77	21	28.0	3	30.01	31	15.4	17	43.77	21	15.1	10
27	59.10	19	75.0	0	38.98	18	27.7	5	30.32	27	17.1	18	43.98	18	16.1	12
Nov. 6	59.29	16	75.0	3	39.16	15	27.2	6	30.59	22	18.9	19	44.16	15	17.3	13
16	59.45	12	74.7	3	39.31	13	26.6	7	30.81	18	20.8	18	44.31	12	18.6	15
26	59.57	9	74.4	3	39.44	9	25.9	8	30.99	13	22.6	17	44.43	9	20.1	16
Dez. 6	59.66	6	74.1	5	39.53	5	25.1	8	31.12	8	24.3	17	44.52	5	21.7	15
16	59.72	2	73.6	4	39.58	2	24.3	8	31.20	2	26.0	15	44.57	1	23.2	15
26	59.74	2	73.2	4	39.60	3	23.5	7	31.22	4	27.5	14	44.58	2	24.7	13
36	59.72		72.8		39.57		22.8		31.18		28.9		44.56		26.0	
Mittl. Ort	54.80		53.1		34.79		4.9		24.76		1.9		40.00		40.2	
sec δ, tg δ	1.023		+0.217		1.005		+0.101		1.480		+1.091		1.008		−0.124	

1914	155) α Horologii. AR.	Δ	Dekl. —	Δ	156) α Reticuli. AR.	Δ	Dekl. —	Δ
	$4^h\ 11^m$		42° 29′		$4^h\ 13^m$		62° 40′	
Jan. 0	10.89		82.6		21.76		82.9	
10	10.76	13	84.8	22	21.47	29	85.4	25
20	10.58	18	86.7	19	21.11	36	87.3	19
30	10.38	20	88.1	14	20.70	41	88.7	14
Febr. 9	10.14	24	89.1	10	20.25	45	89.6	9
19	9.89	25	89.5	4	19.77	48	89.9	3
März 1	9.62	27	89.4	1	19.28	49	89.6	3
11	9.36	26	88.9	5	18.80	48	88.8	8
21	9.10	26	87.8	11	18.35	45	87.5	13
31	8.87	23	86.3	15	17.92	43	85.6	19
April 10	8.68	19	84.4	19	17.55	37	83.3	23
20	8.53	15	82.2	22	17.23	32	80.7	26
30	8.42	11	79.5	27	16.99	24	77.7	30
Mai 10	8.36	6	76.7	28	16.82	17	74.4	33
20	8.37	1	73.6	31	16.74	8	70.9	35
30	8.44	7	70.0	36	16.74	0	67.0	39
Juni 9	8.55	11	66.8	32	16.84	10	63.5	35
19	8.72	17	63.5	33	17.01	17	60.0	35
29	8.94	22	60.4	31	17.27	26	56.6	34
Juli 9	9.19	25	57.4	30	17.59	32	53.5	31
19	9.49	30	54.7	27	17.98	39	50.7	28
29	9.82	33	52.4	23	18.41	43	48.4	23
Aug. 8	10.16	34	50.5	19	18.89	48	46.5	19
18	10.51	35	49.1	14	19.40	51	45.2	13
28	10.87	36	48.3	8	19.91	51	44.5	7
Sept. 7	11.22	35	48.0	3	20.42	51	44.4	1
17	11.57	35	48.3	3	20.92	50	45.0	6
27	11.89	32	49.2	9	21.39	47	46.2	12
Okt. 7	12.19	30	50.6	14	21.82	43	47.9	17
17	12.46	27	52.5	19	22.20	38	50.2	23
27	12.69	23	54.9	24	22.50	30	53.0	28
Nov. 6	12.88	19	57.6	27	22.74	24	56.0	30
16	13.02	14	60.5	29	22.90	16	59.4	34
26	13.12	10	63.5	30	22.97	7	62.8	34
Dez. 6	13.16	4	66.6	31	22.95	2	66.2	34
16	13.15	1	69.6	30	22.86	9	69.4	32
26	13.09	6	72.3	27	22.67	19	72.4	30
36	12.99	10	74.8	25	22.41	26	75.1	27
Mittl. Ort	9.01		81.7		18.80		80.0	
sec δ, tg δ	1.356		—0.916		2.179		—1.936	

1914	160) v^4 Eridani. AR.	Δ	Dekl. —	Δ	162) δ Tauri. AR.	Δ	Dekl. +	Δ
	$4^h\ 14^m$		33° 59′		$4^h\ 17^m$		17° 20′	
Jan. 0	39.99		87.6		59.74		40.2	
10	39.90	9	89.8	22	59.72	2	40.0	2
20	39.77	13	91.5	17	59.66	6	39.8	2
30	39.60	17	92.9	14	59.56	10	39.6	2
Febr. 9	39.41	19	93.9	10	59.43	13	39.3	3
19	39.19	22	94.4	5	59.29	14	39.0	3
März 1	38.97	22	94.4	0	59.13	16	38.7	3
11	38.74	23	94.0	4	58.96	17	38.4	3
21	38.53	21	93.1	9	58.80	16	38.2	2
31	38.34	19	91.9	12	58.67	13	37.9	3
April 10	38.17	17	90.2	17	58.56	11	37.7	2
20	38.04	13	88.2	20	58.49	7	37.5	2
30	37.96	8	85.9	23	58.46	3	37.4	1
Mai 10	37.92	4	83.3	26	58.47	1	37.5	1
20	37.93	1	80.5	28	58.54	7	37.7	2
30	38.01	8	77.3	32	58.66	12	38.1	4
Juni 9	38.13	12	74.2	31	58.82	16	38.7	6
19	38.30	17	71.2	30	59.02	20	39.3	6
29	38.51	21	68.2	30	59.26	24	40.1	8
Juli 9	38.75	24	65.4	28	59.52	26	41.0	9
19	39.03	28	62.9	25	59.81	29	42.0	10
29	39.33	30	60.6	23	60.12	31	43.0	10
Aug. 8	39.65	32	58.7	19	60.43	31	44.1	11
18	39.98	33	57.3	14	60.76	33	45.1	10
28	40.31	33	56.3	10	61.08	32	46.0	9
Sept. 7	40.64	33	55.9	4	61.39	31	46.9	9
17	40.95	31	56.0	1	61.70	31	47.6	7
27	41.25	30	56.7	7	61.99	29	48.2	6
Okt. 7	41.53	28	57.9	12	62.27	28	48.7	5
17	41.79	26	59.5	16	62.53	26	49.0	3
27	42.01	22	61.6	21	62.77	24	49.2	2
Nov. 6	42.20	19	64.0	24	62.99	22	49.3	1
16	42.34	14	66.6	26	63.17	18	49.3	0
26	42.45	11	69.4	28	63.33	16	49.2	1
Dez. 6	42.52	7	72.2	28	63.45	12	49.1	1
16	42.54	2	74.9	27	63.53	8	49.0	1
26	42.51	3	77.5	26	63.57	4	48.8	2
36	42.44	7	79.9	24	63.57	0	48.6	2
Mittl. Ort	38.31		88.1		58.38		29.8	
sec δ, tg δ	1.206		—0.675		1.048		+0.312	

1914	164) ε Tauri. AR.		Dekl. +		168) α Tauri. AR.		Dekl. +		169) ν Eridani. AR.		Dekl. —		171) α Doradus. AR.		Dekl. —	
	4h 23m		18° 59′		4h 30m		16° 20′		4h 32m		3° 31′		4h 32m		55° 12′	
Jan. 0	36.96	1	36.6	1	60.45	1	24.0	2	2.66	2	33.0	11	10.73	18	81.1	27
10	36.95	6	36.5	2	60.44	5	23.8	3	2.64	6	34.1	11	10.55	25	83.8	22
20	36.89	10	36.3	1	60.39	9	23.5	2	2.58	10	35.2	9	10.30	29	86.0	17
30	36.79	12	36.2	2	60.30	13	23.3	3	2.48	12	36.1	7	10.01	33	87.7	11
Febr. 9	36.67	15	36.0	3	60.17	14	23.0	2	2.36	15	36.8	5	9.68	36	88.8	6
19	36.52	16	35.7	2	60.03	16	22.8	3	2.21	16	37.3	3	9.32	38	89.4	1
März 1	36.36	17	35.5	3	59.87	17	22.5	2	2.05	16	37.6	1	8.94	38	89.5	— 4
11	36.19	16	35.2	3	59.70	16	22.3	3	1.89	16	37.7	— 2	8.56	37	89.1	10
21	36.03	14	34.9	3	59.54	14	22.0	2	1.73	15	37.5	3	8.19	34	88.1	15
31	35.89	11	34.6	3	59.40	11	21.8	1	1.58	12	37.2	6	7.85	30	86.6	19
April 10	35.78	8	34.3	2	59.29	9	21.7	2	1.46	8	36.6	7	7.55	26	84.7	24
20	35.70	3	34.1	2	59.20	4	21.5	0	1.38	5	35.9	10	7.29	20	82.3	27
30	35.67	0	33.9	0	59.16	— 1	21.5	2	1.33	1	34.9	12	7.09	14	79.6	30
Mai 10	35.67	6	33.9	1	59.17	5	21.7	2	1.32	— 3	33.7	13	6.95	8	76.6	32
20	35.73	12	34.0	3	59.22	9	21.9	4	1.35	8	32.4	15	6.87	0	73.4	34
30	[29] 35.85	16	34.3	4	[31] 59.31	16	22.3	5	[31] 1.43	14	30.9	18	[31] 6.87	7	70.0	39
Juni 9	36.01	20	34.7	5	59.47	18	22.8	7	1.57	16	29.1	18	6.94	14	66.1	34
19	36.21	23	35.2	7	59.65	23	23.5	8	1.73	21	27.3	18	7.08	21	62.7	34
29	36.44	26	35.9	8	59.88	25	24.3	8	1.94	23	25.5	17	7.29	26	59.3	31
Juli 9	36.70	29	36.7	9	60.13	28	25.1	10	2.17	26	23.8	18	7.55	31	56.2	29
19	36.99	31	37.6	9	60.41	30	26.1	10	2.43	27	22.0	16	7.86	36	53.3	25
29	37.30	32	38.5	10	60.71	31	27.1	9	2.70	29	20.4	15	8.22	39	50.8	21
Aug. 8	37.62	32	39.5	9	61.02	32	28.0	10	2.99	30	18.9	13	8.61	42	48.7	15
18	37.94	33	40.4	9	61.34	32	29.0	8	3.29	30	17.6	10	9.03	43	47.2	10
28	38.27	32	41.3	8	61.66	32	29.8	8	3.59	30	16.6	7	9.46	43	46.2	4
Sept. 7	38.59	31	42.1	7	61.98	31	30.6	7	3.89	29	15.9	4	9.89	42	45.8	— 3
17	38.90	30	42.8	6	62.29	29	31.3	5	4.18	28	15.5	0	10.31	41	46.1	9
27	39.20	29	43.4	5	62.58	29	31.8	3	4.46	27	15.5	2	10.72	38	47.0	15
Okt. 7	39.49	26	43.9	4	62.87	27	32.1	3	4.73	25	15.7	6	11.10	34	48.5	21
17	39.75	25	44.3	3	63.14	25	32.4	0	4.98	23	16.3	8	11.44	30	50.6	25
27	40.00	22	44.6	1	63.39	22	32.4	0	5.21	20	17.1	11	11.74	23	53.1	29
Nov. 6	40.22	19	44.7	1	63.61	19	32.4	1	5.41	18	18.2	12	11.97	18	56.0	32
16	40.41	17	44.8	0	63.80	17	32.3	2	5.59	15	19.4	14	12.15	12	59.2	33
26	40.58	12	44.8	0	63.97	13	32.1	2	5.74	12	20.8	14	12.27	4	62.5	34
Dez. 6	40.70	9	44.8	1	64.10	9	31.9	3	5.86	7	22.2	14	12.31	— 2	65.9	33
16	40.79	4	44.7	1	64.19	6	31.6	2	5.93	4	23.6	14	12.29	9	69.2	31
26	40.83	1	44.6	1	64.25	1	31.4	3	5.97	0	25.0	13	12.20	16	72.3	29
36	40.84		44.5		64.26		31.1		5.97		26.3		12.04		75.2	
Mittl. Ort	35.57		25.9		59.04		14.0		1.26		39.3		8.28		80.2	
sec δ, tg δ	1.058		+0.344		1.042		+0.293		1.002		—0.062		1.753		—1.439	

1914	172) 53 Eridani. AR.		Dekl. −		174) τ Tauri. AR.		Dekl. +		173) Gr. 848. AR.		Dekl. +		175) 4 Camelop. AR.		Dekl. +	
	4h 34m		14° 27′		4h 37m		22° 47′		4h 37m		75° 47′		4h 40m		56° 36′	
Jan. 0	15.92	3	73.0	17	6.35	0	45.2	1	18.94	24	29.5	26	52.27	5	36.1	19
10	15.89	7	74.7	15	6.35	5	45.3	0	18.70	40	32.1	23	52.22	12	38.0	16
20	15.82	11	76.2	11	6.30	9	45.3	0	18.30	53	34.4	19	52.10	19	39.6	12
30	15.71	14	77.3	9	6.21	13	45.3	0	17.77	65	36.3	13	51.91	24	40.8	10
Febr. 9	15.57	16	78.2	6	6.08	14	45.3	2	17.12	72	37.6	9	51.67	28	41.8	5
19	15.41	17	78.8	3	5.94	17	45.1	2	16.40	78	38.5	3	51.39	31	42.3	1
März 1	15.24	18	79.1	0	5.77	17	44.9	3	15.62	78	38.8	3	51.08	31	42.4	3
11	15.06	17	79.1	3	5.60	17	44.6	3	14.84	74	38.5	9	50.77	31	42.1	7
21	14.89	16	78.8	6	5.43	15	44.3	4	14.10	68	37.6	13	50.46	27	41.4	11
31	14.73	13	78.2	9	5.28	12	43.9	3	13.42	59	36.3	18	50.19	24	40.3	13
April 10	14.60	10	77.3	12	5.16	9	43.6	4	12.83	46	34.5	21	49.95	17	39.0	17
20	14.50	7	76.1	14	5.07	5	43.2	3	12.37	32	32.4	24	49.78	11	37.3	18
30	14.43	2	74.7	17	5.02	0	42.9	3	12.05	15	30.0	26	49.67	4	35.5	19
Mai 10	14.41	2	73.0	19	5.02	4	42.6	1	11.90	1	27.4	27	49.63	4	33.6	19
20	14.43	7	71.1	20	5.06	10	42.5	0	11.91	17	24.7	27	49.67	12	31.7	19
30	14.50	12	69.1	24	5.16	16	42.5	1	12.08	38	22.0	29	49.79	22	29.8	19
Juni 9	[1] 14.62	16	66.7	23	[1] 5.32	19	42.6	3	[1] 12.46	51	19.1	24	[2] 50.01	28	27.9	17
19	14.78	19	64.4	23	5.51	22	42.9	4	12.97	65	16.7	21	50.29	33	26.2	14
29	14.97	23	62.1	22	5.73	26	43.3	5	13.62	77	14.6	19	50.62	39	24.8	11
Juli 9	15.20	25	59.9	21	5.99	29	43.8	7	14.39	87	12.7	15	51.01	44	23.7	9
19	15.45	28	57.8	19	6.28	31	44.5	7	15.26	97	11.2	12	51.45	48	22.8	6
29	15.73	28	55.9	17	6.59	32	45.2	7	16.23	103	10.0	7	51.93	50	22.2	3
Aug. 8	16.01	30	54.2	14	6.91	33	45.9	8	17.26	107	9.3	4	52.43	52	21.9	0
18	16.31	30	52.8	11	7.24	33	46.7	7	18.33	110	8.9	1	52.95	52	21.9	3
28	16.61	30	51.7	6	7.57	33	47.4	8	19.43	111	9.0	5	53.47	53	22.2	5
Sept. 7	16.91	29	51.1	3	7.90	33	48.2	7	20.54	109	9.5	9	54.00	52	22.7	8
17	17.20	29	50.8	2	8.23	31	48.9	5	21.63	106	10.4	13	54.52	51	23.5	11
27	17.49	26	51.0	5	8.54	30	49.4	6	22.69	102	11.7	16	55.03	48	24.6	13
Okt. 7	17.75	25	51.5	10	8.84	28	50.0	4	23.71	95	13.3	20	55.51	46	25.9	15
17	18.00	23	52.5	13	9.12	27	50.4	4	24.66	86	15.3	23	55.97	43	27.4	18
27	18.23	21	53.8	16	9.39	24	50.8	3	25.52	76	17.6	25	56.40	38	29.2	18
Nov. 6	18.44	17	55.4	18	9.63	21	51.1	2	26.28	64	20.1	28	56.78	33	31.0	20
16	18.61	14	57.2	20	9.84	18	51.3	2	26.92	50	22.9	30	57.11	28	33.0	21
26	18.75	11	59.2	20	10.02	14	51.5	2	27.42	35	25.9	30	57.39	21	35.1	22
Dez. 6	18.86	7	61.2	20	10.16	11	51.7	1	27.77	18	28.9	30	57.60	14	37.3	21
16	18.93	3	63.2	19	10.27	6	51.8	1	27.95	1	31.9	28	57.74	7	39.4	21
26	18.96	2	65.1	18	10.33	1	51.9	1	27.96	15	34.7	27	57.81	1	41.5	18
36	18.94		66.9		10.34		52.0		27.81		37.4		57.80		43.3	
Mittl. Ort	14.45		77.5		4.89		34.1		14.29		11.7		50.01		20.3	
sec δ, tg δ	1.033		−0.258		1.085		+0.420		4.073		+3.948		1.817		+1.517	

1914	178) 9 Camelop.				180) π⁵ Orionis.				181) ι Aurigae.				182) 10 Camelop.			
	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ
	$4^h 45^m$		66° 11′		$4^h 49^m$		2° 18′		$4^h 51^m$		33° 1′		$4^h 55^m$		60° 19′	
Jan. 0	32.49	9	69.7	23	47.68	0	9.5	9	25.09	1	63.4	7	48.35	4	19.7	20
10	32.40	19	72.0	19	47.68	5	8.6	9	25.10	5	64.1	6	48.31	13	21.7	18
20	32.21	28	73.9	17	47.63	8	7.7	7	25.05	9	64.7	4	48.18	19	23.5	16
30	31.93	34	75.6	12	47.55	12	7.0	6	24.96	13	65.1	3	47.99	26	25.1	12
Febr. 9	31.59	41	76.8	8	47.43	14	6.4	5	24.83	16	65.4	1	47.73	31	26.3	7
19	31.18	44	77.6	3	47.29	15	5.9	3	24.67	19	65.5	0	47.42	34	27.0	3
März 1	30.74	45	77.9	3	47.14	16	5.6	2	24.48	19	65.5	2	47.08	36	27.3	1
11	30.29	44	77.6	7	46.98	17	5.4	0	24.29	19	65.3	4	46.72	35	27.2	6
21	29.85	40	76.9	11	46.81	15	5.4	2	24.10	17	64.9	5	46.37	32	26.6	9
31	29.45	34	75.8	15	46.66	12	5.6	3	23.93	15	64.4	7	46.05	28	25.7	14
April 10	29.11	27	74.3	19	46.54	10	5.9	5	23.78	11	63.7	7	45.77	22	24.3	15
20	28.84	18	72.4	21	46.44	6	6.4	6	23.67	6	63.0	8	45.55	16	22.8	19
30	28.66	8	70.3	22	46.38	2	7.0	9	23.61	2	62.2	7	45.39	7	20.9	20
Mai 10	28.58	1	68.1	23	46.36	2	7.9	10	23.59	3	61.5	8	45.32	1	18.9	20
20	28.59	13	65.8	24	46.38	7	8.9	11	23.62	9	60.7	6	45.33	10	16.9	21
30	28.72	25	63.4	24	46.45	13	10.0	14	23.71	16	60.1	6	45.43	21	14.8	22
Juni 9	[3]28.97	33	61.0	21	[4]46.58	15	11.4	13	[5]23.87	19	59.5	4	[6]45.64	27	12.6	19
19	29.30	42	58.9	19	46.73	20	12.7	15	24.06	23	59.1	2	45.91	34	10.7	17
29	29.72	50	57.0	16	46.93	22	14.2	15	24.29	28	58.9	1	46.25	40	9.0	14
Juli 9	30.22	55	55.4	13	47.15	25	15.7	15	24.57	30	58.8	0	46.65	46	7.6	12
19	30.77	61	54.1	9	47.40	27	17.2	14	24.87	32	58.8	2	47.11	51	6.4	9
29	31.38	65	53.2	6	47.67	28	18.6	12	25.19	34	59.0	3	47.62	53	5.5	6
Aug. 8	32.03	68	52.6	3	47.95	30	19.8	12	25.53	36	59.3	4	48.15	56	4.9	3
18	32.71	70	52.3	0	48.25	30	21.0	9	25.89	37	59.7	5	48.71	58	4.6	0
28	33.41	70	52.3	4	48.55	30	21.9	7	26.26	36	60.2	6	49.29	58	4.6	3
Sept. 7	34.11	69	52.7	8	48.85	30	22.6	4	26.62	35	60.8	6	49.87	57	4.9	6
17	34.80	67	53.5	11	49.15	29	23.0	1	26.97	35	61.4	7	50.44	57	5.5	10
27	35.47	65	54.6	14	49.44	28	23.1	1	27.32	34	62.1	7	51.01	55	6.5	12
Okt. 7	36.12	62	56.0	17	49.72	26	23.0	3	27.66	32	62.8	7	51.56	52	7.7	14
17	36.74	57	57.7	20	49.98	24	22.7	6	27.98	30	63.5	7	52.08	48	9.1	16
27	37.31	50	59.7	22	50.22	23	22.1	9	28.28	28	64.2	7	52.56	44	10.7	19
Nov. 6	37.81	44	61.9	24	50.45	20	21.2	10	28.56	25	64.9	7	53.00	39	12.6	20
16	38.25	36	64.3	25	50.65	17	20.2	11	28.81	21	65.6	8	53.39	33	14.6	22
26	38.61	27	66.8	26	50.82	14	19.1	11	29.02	17	66.4	7	53.72	25	16.8	23
Dez. 6	38.88	17	69.4	26	50.96	10	18.0	11	29.19	13	67.1	7	53.97	18	19.1	23
16	39.05	7	72.0	25	51.06	6	16.9	11	29.32	8	67.8	8	54.15	9	21.4	22
26	39.12	4	74.5	23	51.12	1	15.8	11	29.40	3	68.6	6	54.24	1	23.6	21
36	39.08		76.8		51.13		14.7		29.43		69.2		54.25		25.7	
Mittl. Ort	29.45		53.2		46.23		2.1		23.45		51.2		45.72		4.4	
sec δ, tg δ	2.478		+2.267		1.001		+0.040		1.193		+0.650		2.019		+1.754	

1914	183) ε Aurigae.				184) ι Tauri.				185) η Aurigae.				186) ε Leporis.			
	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. −	Δ
	4h 55m		43° 41′		4h 57m		21° 28′		5h 0m		41° 7′		5h 1m		22° 28′	
Jan. 0	49.56s	0	62.9″	12	58.77s	2	15.2″	0	30.72s	1	22.0″	11	50.81s	3	65.1″	21
10	49.56	6	64.1	11	58.79	4	15.2	1	30.73	5	23.1	10	50.78	7	67.2	19
20	49.50	11	65.2	9	58.75	8	15.3	0	30.68	10	24.1	8	50.71	10	69.1	16
30	49.39	16	66.1	7	58.67	11	15.3	1	30.58	14	24.9	6	50.61	14	70.7	12
Febr. 9	49.23	19	66.8	4	58.56	14	15.2	1	30.44	18	25.5	4	50.47	17	71.9	9
19	49.04	22	67.2	1	58.42	16	15.1	1	30.26	21	25.9	1	50.30	19	72.8	5
März 1	48.82	23	67.3	2	58.26	17	15.0	2	30.05	22	26.0	1	50.11	20	73.3	1
11	48.59	22	67.1	4	58.09	17	14.8	2	29.83	21	25.9	4	49.91	19	73.4	3
21	48.37	21	66.7	7	57.92	16	14.6	3	29.62	20	25.5	7	49.72	19	73.1	6
31	48.16	18	66.0	10	57.76	13	14.3	3	29.42	17	24.8	8	49.53	16	72.5	9
April 10	47.98	13	65.0	11	57.63	11	14.0	3	29.25	14	24.0	10	49.37	13	71.6	13
20	47.85	9	63.9	12	57.52	6	13.7	2	29.11	8	23.0	11	49.24	10	70.3	16
30	47.76	3	62.7	12	57.46	2	13.5	1	29.03	3	21.9	11	49.14	6	68.7	19
Mai 10	47.73	3	61.5	13	57.44	3	13.4	1	29.00	2	20.8	12	49.08	2	66.8	21
20	47.76	9	60.2	13	57.47	7	13.3	0	29.02	8	19.6	11	49.06	4	64.7	24
30	47.85	16	58.9	12	57.54	13	13.3	1	29.10	16	18.5	11	49.10	9	62.3	27
Juni 9	[6] 48.01	21	57.7	10	[6] 57.67	17	13.4	3	[7] 29.26	19	17.4	9	[7] 49.19	12	59.6	26
19	48.22	26	56.7	9	57.84	21	13.7	4	29.45	25	16.5	7	49.31	17	57.0	25
29	48.48	30	55.8	7	58.05	24	14.1	4	29.70	29	15.8	6	49.48	20	54.5	25
Juli 9	48.78	34	55.1	4	58.29	27	14.5	6	29.99	32	15.2	4	49.68	23	52.0	23
19	49.12	36	54.7	3	58.56	30	15.1	6	30.31	35	14.8	2	49.91	26	49.7	22
29	49.48	39	54.4	1	58.86	31	15.7	6	30.66	37	14.6	0	50.17	28	47.5	19
Aug. 8	49.87	41	54.3	1	59.17	32	16.3	7	31.03	39	14.6	1	50.45	29	45.6	16
18	50.28	41	54.4	3	59.49	32	17.0	6	31.42	39	14.7	2	50.74	30	44.0	11
28	50.69	41	54.7	4	59.81	33	17.6	6	31.81	40	14.9	4	51.04	30	42.9	7
Sept. 7	51.10	41	55.1	6	60.14	32	18.2	5	32.21	40	15.3	6	51.34	31	42.2	3
17	51.51	40	55.7	8	60.46	32	18.7	4	32.61	39	15.9	6	51.65	30	41.9	2
27	51.91	39	56.5	8	60.78	31	19.1	4	33.00	37	16.5	8	51.95	28	42.1	7
Okt. 7	52.30	37	57.3	10	61.09	29	19.5	2	33.37	37	17.3	8	52.23	27	42.8	11
17	52.67	35	58.3	11	61.38	28	19.7	2	33.74	34	18.1	10	52.50	26	43.9	16
27	53.02	32	59.4	12	61.66	26	19.9	1	34.08	31	19.1	10	52.76	22	45.5	20
Nov. 6	53.34	29	60.6	13	61.92	23	20.0	0	34.39	28	20.1	11	52.98	20	47.5	22
16	53.63	24	61.9	13	62.15	20	20.0	0	34.67	25	21.2	12	53.18	16	49.7	23
26	53.87	20	63.2	14	62.35	16	20.0	0	34.92	19	22.4	12	53.34	13	52.0	25
Dez. 6	54.07	15	64.6	14	62.51	12	20.0	0	35.11	15	23.6	12	53.47	9	54.5	25
16	54.22	9	66.0	13	62.63	8	20.0	0	35.26	10	24.8	12	53.56	4	57.0	24
26	54.31	3	67.3	13	62.71	4	20.0	0	35.36	3	26.0	11	53.60	0	59.4	23
36	54.34		68.6		62.75		20.0		35.39		27.1		53.60		61.7	
Mittl. Ort	47.68		49.4		57.23		4.9		28.88		9.1		49.21		69.3	
sec δ, tg δ	1.383		+0.956		1.075		+0.393		1.327		+0.873		1.082		−0.414	

1914	188) β Eridani. AR.	Δ	Dekl. −	Δ	192) μ Aurigae. AR.	Δ	Dekl. +	Δ	191) 19 H. Camelop. AR.	Δ	Dekl. +	Δ	193) α Aurigae. AR.	Δ	Dekl. +	Δ
	5h 3m		5° 11′		5h 7m		38° 23′		5h 8m		79° 8′		5h 10m		45° 54′	
Jan. 0	38.77	0	42.4	13	34.28	2	13.2	10	28.29	18	21.2	29	22.04	2	54.9	13
10	38.77	4	43.7	13	34.30	3	14.2	9	28.11	41	24.1	26	22.06	5	56.2	13
20	38.73	8	45.0	10	34.27	9	15.1	7	27.70	62	26.7	23	22.01	10	57.5	10
30	38.65	12	46.0	9	34.18	13	15.8	6	27.08	78	29.0	17	21.91	16	58.5	9
Febr. 9	38.53	13	46.9	6	34.05	17	16.4	4	26.30	91	30.7	13	21.75	19	59.4	5
19	38.40	16	47.5	4	33.88	20	16.8	1	25.39	99	32.0	7	21.56	23	59.9	3
März 1	38.24	18	47.9	1	33.68	21	16.9	1	24.40	103	32.7	2	21.33	23	60.2	0
11	38.06	17	48.0	0	33.47	21	16.8	3	23.37	103	32.9	4	21.10	24	60.2	4
21	37.89	15	48.0	3	33.26	19	16.5	6	22.34	97	32.5	10	20.86	23	59.8	6
31	37.74	14	47.7	5	33.07	17	15.9	7	21.37	87	31.5	15	20.63	19	59.2	9
April 10	37.60	11	47.2	7	32.90	13	15.2	8	20.50	72	30.0	19	20.44	16	58.3	11
20	37.49	8	46.5	9	32.77	9	14.4	10	19.78	56	28.1	22	20.28	11	57.2	13
30	37.41	3	45.6	12	32.68	3	13.4	10	19.22	38	25.9	26	20.17	5	55.9	13
Mai 10	37.38	0	44.4	13	32.65	1	12.4	10	18.84	16	23.3	27	20.12	1	54.6	14
20	37.38	5	43.1	15	32.66	7	11.4	9	18.68	5	20.6	28	20.13	7	53.2	14
30	37.43	10	41.6	18	32.73	13	10.5	9	18.73	27	17.8	28	20.20	14	51.8	13
Juni 9	37.53	14	39.8	17	32.86	20	9.6	9	19.00	55	15.0	30	20.34	21	50.5	14
19	37.67	17	38.1	18	33.06	23	8.7	6	19.55	68	12.0	25	20.55	25	49.1	11
29	37.84	21	36.3	18	33.29	27	8.1	5	20.23	85	9.5	23	20.80	29	48.0	8
Juli 9	38.05	24	34.5	18	33.56	31	7.6	3	21.08	100	7.2	20	21.09	34	47.2	7
19	38.29	25	32.7	16	33.87	34	7.3	2	22.08	114	5.2	16	21.43	37	46.5	6
29	38.54	28	31.1	14	34.21	35	7.1	0	23.22	125	3.6	13	21.80	39	45.9	3
Aug. 8	38.82	29	29.7	13	34.56	37	7.1	1	24.47	133	2.3	9	22.19	41	45.6	2
18	39.11	29	28.4	10	34.93	38	7.2	2	25.80	139	1.4	5	22.60	42	45.4	1
28	39.40	30	27.4	7	35.31	38	7.4	4	27.19	143	0.9	0	23.02	43	45.5	3
Sept. 7	39.70	29	26.7	3	35.69	39	7.8	4	28.62	144	0.9	4	23.45	42	45.8	4
17	39.99	29	26.4	0	36.08	38	8.2	6	30.06	140	1.3	8	23.87	43	46.2	6
27	40.28	28	26.4	3	36.46	36	8.8	6	31.46	138	2.1	12	24.30	41	46.8	7
Okt. 7	40.56	27	26.7	7	36.82	36	9.4	7	32.84	131	3.3	16	24.71	39	47.5	8
17	40.83	25	27.4	9	37.18	33	10.1	8	34.15	121	4.9	20	25.10	38	48.3	11
27	41.08	23	28.3	12	37.51	31	10.9	8	35.36	110	6.9	23	25.48	34	49.4	11
Nov. 6	41.31	21	29.5	14	37.82	28	11.7	9	36.46	94	9.2	26	25.82	32	50.5	12
16	41.52	17	30.9	15	38.10	24	12.6	10	37.40	77	11.8	28	26.14	27	51.7	14
26	41.69	15	32.4	17	38.34	20	13.6	10	38.17	59	14.6	30	26.41	23	53.1	14
Dez. 6	41.84	10	34.1	16	38.54	16	14.6	10	38.76	37	17.6	31	26.64	17	54.5	14
16	41.94	7	35.7	16	38.70	10	15.6	10	39.13	14	20.7	30	26.81	11	55.9	15
26	42.01	2	37.3	14	38.80	5	16.6	10	39.27	10	23.7	29	26.92	5	57.4	14
36	42.03		38.7		38.85		17.6		39.17		26.6		26.97		58.8	
Mittl. Ort	37.27		48.8		32.47		1.0		21.51		5.5		20.01		41.9	
sec δ, tg δ	1.004		−0.091		1.276		+0.792		5.305		+5.210		1.437		+1.032	

1914	194) β Orionis. AR.		Dekl. —		196) ϑ Doradus. AR.		Dekl. —		201) γ Orionis. AR.		Dekl. +		202) β Tauri. AR.		Dekl. +	
	$5^h 10^m$		8° 17′		$5^h 13^m$		67° 16′		$5^h 20^m$		6° 16′		$5^h 20^m$		28° 32′	
Jan. 0	25.76	0	54.8	16	52.78	27	54.0	30	32.59	3	29.0	9	52.96	4	19.3	4
10	25.76	4	56.4	14	52.51	36	57.0	27	32.62	2	28.1	7	53.00	2	19.7	4
20	25.72	7	57.8	12	52.15	44	59.7	22	32.60	6	27.4	7	52.98	6	20.1	3
30	25.65	12	59.0	9	51.71	51	61.9	17	32.54	10	26.7	5	52.92	11	20.4	3
Febr. 9	25.53	14	59.9	7	51.20	56	63.6	12	32.44	13	26.2	4	52.81	14	20.7	2
19	25.39	16	60.6	4	50.64	59	64.8	7	32.31	15	25.8	3	52.67	17	20.9	1
März 1	25.23	17	61.0	3	50.05	61	65.5	1	32.16	16	25.5	2	52.50	18	21.0	1
11	25.06	18	61.3	1	49.44	61	65.6	5	32.00	17	25.3	0	52.32	19	20.9	2
21	24.88	16	61.2	3	48.83	59	65.1	10	31.83	16	25.3	0	52.13	17	20.7	3
31	24.72	14	60.9	6	48.24	55	64.1	15	31.67	14	25.3	2	51.96	16	20.4	4
April 10	24.58	12	60.3	8	47.69	49	62.6	19	31.53	11	25.5	3	51.80	12	20.0	5
20	24.46	9	59.5	10	47.20	43	60.7	24	31.42	8	25.8	4	51.68	9	19.5	5
30	24.37	4	58.5	13	46.77	35	58.3	27	31.34	4	26.2	6	51.59	4	19.0	5
Mai 10	24.33	0	57.2	14	46.42	26	55.6	30	31.30	0	26.8	7	51.55	1	18.5	4
20	24.33	4	55.8	17	46.16	17	52.6	33	31.30	4	27.5	8	51.56	5	18.1	5
30	24.37	8	54.1	17	45.99	8	49.3	34	31.34	9	28.3	9	51.61	10	17.6	3
Juni 9	24.45	14	52.4	21	45.91	4	45.9	38	31.43	14	29.2	12	51.71	17	17.3	3
19	24.59	16	50.3	19	45.95	13	42.1	35	31.57	17	30.4	11	51.88	20	17.0	1
29	24.75	20	48.4	19	46.08	23	38.6	33	31.74	20	31.5	12	52.08	24	16.9	0
Juli 9	24.95	23	46.5	19	46.31	32	35.3	31	31.94	23	32.7	12	52.32	26	16.9	0
19	25.18	25	44.6	17	46.63	39	32.2	28	32.17	26	33.9	11	52.58	30	16.9	1
29	25.43	28	42.9	16	47.02	47	29.4	24	32.43	28	35.0	11	52.88	31	17.0	2
Aug. 8	25.71	28	41.3	13	47.49	52	27.0	18	32.71	28	36.1	9	53.19	33	17.2	3
18	25.99	29	40.0	10	48.01	56	25.2	14	32.99	30	37.0	8	53.52	34	17.5	3
28	26.28	30	39.0	7	48.57	58	23.8	7	33.29	30	37.8	6	53.86	34	17.8	3
Sept. 7	26.58	30	38.3	3	49.15	60	23.1	1	33.59	30	38.4	3	54.20	35	18.1	4
17	26.88	28	38.0	0	49.75	59	23.0	5	33.89	30	38.7	1	54.55	34	18.5	3
27	27.16	29	38.0	4	50.34	56	23.5	12	34.19	30	38.8	1	54.89	34	18.8	3
Okt. 7	27.45	27	38.4	7	50.90	52	24.7	18	34.49	28	38.7	3	55.23	32	19.1	3
17	27.72	25	39.1	11	51.42	47	26.5	23	34.77	27	38.4	6	55.55	31	19.4	2
27	27.97	24	40.2	13	51.89	39	28.8	28	35.04	25	37.8	7	55.86	29	19.6	3
Nov. 6	28.21	21	41.5	16	52.28	30	31.6	32	35.29	23	37.1	9	56.15	27	19.9	3
16	28.42	18	43.1	17	52.58	21	34.8	34	35.52	20	36.2	10	56.42	23	20.2	3
26	28.60	14	44.8	18	52.79	11	38.2	36	35.72	17	35.2	10	56.65	20	20.5	3
Dez. 6	28.74	11	46.6	19	52.90	1	41.8	36	35.89	13	34.2	10	56.85	16	20.8	4
16	28.85	7	48.5	17	52.89	11	45.4	34	36.02	9	33.2	10	57.01	11	21.2	4
26	28.92	3	50.2	17	52.78	21	48.8	33	36.11	5	32.2	9	57.12	6	21.6	4
36	28.95		51.9		52.57		52.1		36.16		31.3		57.18		22.0	
Mittl. Ort	24.24		60.9		49.21		55.4		31.06		21.1		51.26		8.8	
sec δ, tg δ	1.011		—0.146		2.589		—2.388		1.006		+0.110		1.138		+0.544	

1914	203) 17 Camelop. AR.		Dekl. +		206) δ Orionis. AR.		Dekl. −		205) Gr. 966. AR.		Dekl. +		207) α Leporis. AR.		Dekl. −	
	$5^h\ 22^m$		62° 59′		$5^h\ 27^m$		0° 21′		$5^h\ 28^m$		74° 59′		$5^h\ 28^m$		17° 52′	
Jan. 0	5.68	1	62.1	23	38.26	3	36.2	12	18.36	4	33.9	28	57.79	1	54.1	21
10	5.69	10	64.4	21	38.29	2	37.4	11	18.32	22	36.7	26	57.80	4	56.2	18
20	5.59	18	66.5	18	38.27	6	38.5	9	18.10	36	39.3	23	57.76	8	58.0	16
30	5.41	25	68.3	15	38.21	9	39.4	8	17.74	50	41.6	18	57.68	12	59.6	13
Febr. 9	5.16	32	69.8	11	38.12	13	40.2	5	17.24	61	43.4	15	57.56	15	60.9	10
19	4.84	37	70.9	6	37.99	15	40.7	5	16.63	69	44.9	9	57.41	17	61.9	7
März 1	4.47	39	71.5	2	37.84	16	41.2	2	15.94	72	45.8	4	57.24	18	62.6	3
11	4.08	39	71.7	2	37.68	17	41.4	1	15.22	73	46.2	2	57.06	19	62.9	0
21	3.69	38	71.5	7	37.51	17	41.5	2	14.49	71	46.0	7	56.87	19	62.9	4
31	3.31	33	70.8	11	37.34	14	41.3	3	13.78	65	45.3	12	56.68	17	62.5	7
April 10	2.98	28	69.7	15	37.20	12	41.0	5	13.13	55	44.1	16	56.51	14	61.8	10
20	2.70	22	68.2	18	37.08	9	40.5	7	12.58	44	42.5	20	56.37	10	60.8	13
30	2.48	13	66.4	19	36.99	5	39.8	8	12.14	30	40.5	24	56.27	8	59.5	15
Mai 10	2.35	5	64.5	21	36.94	1	39.0	10	11,84	16	38.1	25	56.19	3	58.0	18
20	2.30	5	62.4	22	36.93	3	38.0	12	11.68	0	35.6	27	56.16	1	56.2	20
30	2.35	14	60.2	22	36.96	8	36.8	13	11.68	15	32.9	27	56.17	6	54.2	22
Juni 9	2.49	25	58.0	23	37.04	12	35.5	15	11.83	34	30.2	28	56.23	11	52.0	24
19	2.74	32	55.7	20	37.16	16	34.0	15	12.17	46	27.4	26	56.34	14	49.6	24
29	3.06	39	53.7	18	37.32	19	32.5	15	12.63	59	24.8	23	56.48	18	47.2	23
Juli 9	3.45	46	51.9	16	37.51	22	31.0	14	13.22	71	22.5	20	56.66	21	44.9	22
19	3.91	50	50.3	13	37.73	25	29.6	14	13.93	81	20.5	18	56.87	24	42.7	20
29	4.41	56	49.0	10	37.98	26	28.2	13	14.74	90	18.7	15	57.11	26	40.7	19
Aug. 8	4.97	58	48.0	7	38.24	28	26.9	11	15.64	96	17.2	10	57.37	28	38.8	15
18	5.55	61	47.3	4	38.52	29	25.8	9	16.60	101	16.2	7	57.65	29	37.3	12
28	6.16	63	46.9	1	38.81	30	24.9	6	17.61	105	15.5	4	57.94	29	36.1	8
Sept. 7	6.79	63	46.8	2	39.11	30	24.3	3	18.66	107	15.1	1	58.23	30	35.3	3
17	7.42	63	47.0	5	39.41	29	24.0	1	19.73	107	15.2	4	58.53	30	35.0	1
27	8.05	61	47.5	8	39.70	29	23.9	3	20.80	104	15.6	8	58.83	29	35.1	5
Okt. 7	8.66	60	48.3	12	39.99	28	24.2	5	21.84	101	16.4	13	59.12	29	35.6	10
17	9.26	56	49.5	14	40.27	27	24.7	8	22.85	94	17.7	16	59.41	26	36.6	14
27	9.82	51	50.9	16	40.54	25	25.5	11	23.79	88	19.3	19	59.67	25	38.0	17
Nov. 6	10.33	47	52.5	19	40.79	23	26.6	12	24.67	77	21.2	23	59.92	22	39.7	20
16	10.80	40	54.4	21	41.02	20	27.8	14	25.44	66	23.5	25	60.14	20	41.7	22
26	11.20	33	56.5	23	41.22	17	29.2	14	26.10	52	26.0	28	60.34	15	43.9	24
Dez. 6	11.53	24	58.8	23	41.39	14	30.6	14	26.62	37	28.8	28	60.49	12	46.3	23
16	11.77	14	61.1	24	41.53	9	32.0	14	26.99	21	31.6	29	60.61	8	48.6	24
26	11.91	5	63.5	23	41.62	4	33.4	13	27.20	5	34.5	28	60.69	3	51.0	22
36	11.96		65.8		41.66		34.7		27.25		37.3		60.72		53.2	
Mittl. Ort	2.59		48.5		36.73		43.3		13.01		20.1		56.20		59.5	
sec δ, tg δ	2.203		+1.962		1.000		−0.006		3.861		+3.729		1.051		−0.323	

1914	209) ι Orionis. AR.		209) ι Orionis. Dekl. −		210) ε Orionis. AR.		210) ε Orionis. Dekl. −		211) ζ Tauri. AR.		211) ζ Tauri. Dekl. +		212) β Doradus. AR.		212) β Doradus. Dekl. −	
	$5^h 31^m$		$5° 57'$		$5^h 31^m$		$1° 15'$		$5^h 32^m$		$21° 5'$		$5^h 32^m$		$62° 32'$	
Jan. 0	15.09	3	49.8	15	52.48	3	14.9	13	31.90	5	36.8	0	55.64	17	42.3	32
10	15.12	2	51.3	14	52.51	2	16.2	11	31.95	1	36.8	0	55.47	25	45.5	29
20	15.10	6	52.7	11	52.49	5	17.3	10	31.94	5	36.8	0	55.22	33	48.4	24
30	15.04	10	53.8	10	52.44	10	18.3	8	31.89	9	36.8	0	54.89	39	50.8	20
Febr. 9	14.94	13	54.8	8	52.34	13	19.1	7	31.80	13	36.8	0	54.50	44	52.8	15
19	14.81	16	55.6	4	52.21	15	19.8	4	31.67	15	36.8	0	54.06	47	54.3	10
März 1	14.65	17	56.0	3	52.06	16	20.2	2	31.52	17	36.8	1	53.59	49	55.3	4
11	14.48	17	56.3	0	51.90	17	20.4	1	31.35	18	36.7	1	53.10	50	55.7	1
21	14.31	17	56.3	2	51.73	16	20.5	2	31.17	16	36.6	1	52.60	49	55.6	7
31	14.14	15	56.1	4	51.57	15	20.3	3	31.01	15	36.5	2	52.11	47	54.9	12
April 10	13.99	12	55.7	6	51.42	13	20.0	5	30.86	13	36.3	2	51.64	42	53.7	17
20	13.87	10	55.1	9	51.29	9	19.5	7	30.73	9	36.1	2	51.22	36	52.0	21
30	13.77	6	54.2	11	51.20	5	18.8	9	30.64	5	35.9	1	50.86	31	49.9	25
Mai 10	13.71	2	53.1	12	51.15	2	17.9	10	30.59	0	35.8	1	50.55	23	47.4	28
20	13.69	3	51.9	15	51.13	3	16.9	12	30.59	5	35.7	0	50.32	16	44.6	32
30	13.72	7	50.4	16	51.16	7	15.7	14	30.64	8	35.7	1	50.16	8	41.4	32
Juni 9	13.79	12	48.8	18	51.23	13	14.3	15	30.72	14	35.8	1	50.08	2	38.2	38
19	13.91	15	47.0	18	51.36	15	12.8	15	30.86	18	35.9	3	50.10	10	34.4	34
29	14.06	18	45.2	17	51.51	19	11.3	15	31.04	21	36.2	3	50.20	17	31.0	34
Juli 9	14.24	21	43.5	17	51.70	21	9.8	15	31.25	25	36.5	4	50.37	25	27.6	31
19	14.45	24	41.8	16	51.91	24	8.3	15	31.50	26	36.9	4	50.62	33	24.5	29
29	14.69	26	40.2	15	52.15	26	6.8	12	31.76	29	37.3	4	50.95	38	21.6	26
Aug. 8	14.95	27	38.7	12	52.41	28	5.6	11	32.05	31	37.7	4	51.33	43	19.0	20
18	15.22	29	37.5	10	52.69	29	4.5	9	32.36	31	38.1	5	51.76	47	17.0	16
28	15.51	29	36.5	7	52.98	29	3.6	7	32.67	32	38.6	3	52.23	49	15.4	10
Sept. 7	15.80	30	35.8	3	53.27	30	2.9	3	32.99	33	38.9	2	52.72	51	14.4	3
17	16.10	30	35.5	0	53.57	30	2.6	0	33.32	32	39.1	2	53.23	51	14.1	3
27	16.40	28	35.5	3	53.87	29	2.6	3	33.64	32	39.3	1	53.74	50	14.4	9
Okt. 7	16.68	28	35.8	7	54.16	28	2.9	5	33.96	31	39.4	0	54.24	47	15.3	16
17	16.96	27	36.5	10	54.44	27	3.4	9	34.27	30	39.4	1	54.71	43	16.9	22
27	17.23	25	37.5	13	54.71	26	4.3	11	34.57	29	39.3	2	55.14	38	19.1	26
Nov. 6	17.48	23	38.8	15	54.97	23	5.4	13	34.86	26	39.1	1	55.52	31	21.7	31
16	17.71	21	40.3	17	55.20	20	6.7	14	35.12	23	39.0	2	55.83	23	24.8	34
26	17.92	17	42.0	17	55.40	18	8.1	15	35.35	20	38.8	2	56.06	15	28.2	35
Dez. 6	18.09	13	43.7	18	55.58	13	9.6	15	35.55	16	38.6	1	56.21	6	31.7	36
16	18.22	9	45.5	17	55.71	10	11.1	14	35.71	11	38.5	1	56.27	3	35.3	36
26	18.31	4	47.2	16	55.81	5	12.5	14	35.82	7	38.4	1	56.24	12	38.9	34
36	18.35		48.8		55.86		13.9		35.89		38.3		56.12		42.3	
Mittl. Ort	13.55		56.4		50.94		22.0		30.25		27.5		52.62		45.3	
sec δ tg δ	1.005		−0.104		1.000		−0.022		1.072		+0.386		2.169		−1.924	

1914	215) α Columbae. AR.	Δ	Dekl. —	Δ	216) ο Aurigae. AR.	Δ	Dekl. +	Δ	219) ζ Leporis. AR.	Δ	Dekl. —	Δ	220) κ Orionis. AR.	Δ	Dekl. —	Δ
	5h 36m		34° 6′		5h 39m		49° 47′		5h 43m		14° 50′		5h 43m		9° 41′	
Jan. 0	33.83	2	65.6	28	16.55	5	34.7	17	5.08	2	65.9	20	42.21	3	51.7	17
10	33.81	7	68.4	24	16.60	2	36.4	15	5.10	2	67.9	18	42.24	1	53.4	16
20	33.74	11	70.8	22	16.58	8	37.9	14	5.08	7	69.7	16	42.23	6	55.0	14
30	33.63	16	73.0	17	16.50	14	39.3	12	5.01	10	71.3	13	42.17	10	56.4	11
Febr. 9	33.47	19	74.7	13	16.36	20	40.5	9	4.91	13	72.6	10	42.07	13	57.5	9
19	33.28	22	76.0	10	16.16	23	41.4	6	4.78	17	73.6	7	41.94	15	58.4	6
März 1	33.06	23	77.0	4	15.93	25	42.0	2	4.61	18	74.3	4	41.79	17	59.0	3
11	32.83	24	77.4	0	15.68	27	42.2	0	4.43	18	74.7	1	41.62	18	59.3	1
21	32.59	23	77.4	5	15.41	25	42.2	4	4.25	18	74.8	3	41.44	17	59.4	1
31	32.36	21	76.9	9	15.16	24	41.8	7	4.07	17	74.5	5	41.27	16	59.3	5
April 10	32.15	19	76.0	13	14.92	19	41.1	10	3.90	14	74.0	9	41.11	14	58.8	7
20	31.96	16	74.7	16	14.73	15	40.1	12	3.76	11	73.1	11	40.97	11	58.1	9
30	31.80	11	73.1	21	14.58	10	38.9	14	3.65	8	72.0	13	40.86	7	57.2	12
Mai 10	31.69	8	71.0	23	14.48	3	37.5	15	3.57	4	70.7	16	40.79	3	56.0	14
20	31.61	2	68.7	25	14.45	3	36.0	16	3.53	0	69.1	18	40.76	1	54.6	16
30	31.59	2	66.2	28	14.48	10	34.4	15	3.53	5	67.3	20	40.77	5	53.0	17
Juni 9	31.61	8	63.4	31	14.58	18	32.9	17	[17] 3.58	10	65.3	23	40.82	11	51.3	20
19	[16] 31.69	12	60.3	29	[16] 14.76	22	31.2	14	3.68	13	63.0	21	[17] 40.93	13	49.3	19
29	31.81	17	57.4	29	14.98	28	29.8	13	3.81	17	60.9	21	41.06	17	47.4	19
Juli 9	31.98	20	54.5	27	15.26	32	28.5	11	3.98	20	58.8	21	41.23	20	45.5	18
19	32.18	24	51.8	26	15.58	36	27.4	10	4.18	23	56.7	20	41.43	23	43.7	18
29	32.42	27	49.2	22	15.94	40	26.4	8	4.41	25	54.7	17	41.66	25	41.9	15
Aug. 8	32.69	29	47.0	19	16.34	42	25.6	6	4.66	27	53.0	15	41.91	27	40.4	14
18	32.98	31	45.1	14	16.76	44	25.0	4	4.93	28	51.5	11	42.18	28	39.0	10
28	33.29	31	43.7	10	17.20	45	24.6	1	5.21	29	50.4	8	42.46	29	38.0	8
Sept. 7	33.60	33	42.7	4	17.65	46	24.5	0	5.50	30	49.6	4	42.75	30	37.2	3
17	33.93	33	42.3	2	18.11	45	24.5	3	5.80	30	49.2	0	43.05	30	36.9	0
27	34.26	32	42.5	7	18.56	46	24.8	4	6.10	29	49.2	5	43.35	29	36.9	4
Okt. 7	34.58	31	43.2	12	19.02	44	25.2	6	6.39	29	49.7	9	43.64	28	37.3	8
17	34.89	29	44.4	18	19.46	42	25.8	8	6.68	27	50.6	13	43.92	28	38.1	11
27	35.18	26	46.2	22	19.88	40	26.6	10	6.95	26	51.9	16	44.20	25	39.2	15
Nov. 6	35.44	24	48.4	26	20.28	37	27.6	12	7.21	23	53.5	19	44.45	24	40.7	17
16	35.68	20	51.0	28	20.65	33	28.8	13	7.44	21	55.4	21	44.69	21	42.4	18
26	35.88	16	53.8	30	20.98	27	30.1	15	7.65	17	57.5	22	44.90	18	44.2	20
Dez. 6	36.04	11	56.8	31	21.25	22	31.6	16	7.82	14	59.7	23	45.08	14	46.2	20
16	36.15	6	59.9	30	21.47	16	33.2	16	7.96	9	62.0	22	45.22	10	48.2	20
26	36.21	1	62.9	29	21.63	9	34.8	16	8.05	4	64.2	21	45.32	5	50.2	19
36	36.22		65.8		21.72		36.4		8.09		66.3		45.37		52.1	
Mittl. Ort	32.03		70.1		14.21		23.3		3.49		71.9		40.64		58.0	
sec δ, tg δ	1.208		—0.678		1.549		+1.183		1.035		—0.265		1.014		—0.171	

1914	224) α Orionis.				225) δ Aurigae.				227) β Aurigae.				228) ϑ Aurigae.			
	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ
	$5^h\ 50^m$		$7°\ 23'$		$5^h\ 52^m$		$54°\ 16'$		$5^h\ 53^m$		$44°\ 56'$		$5^h\ 53^m$		$37°\ 12'$	
	s		"		s		"		s		"		s		"	
Jan. 0	32.51	6	38.5	9	29.38	7	56.5	19	15.43	7	33.4	14	53.39	7	36.9	9
10	32.57	1	37.6	7	29.45	0	58.4	18	15.50	1	34.8	13	53.46	1	37.8	9
20	32.58	4	36.9	6	29.45	9	60.2	16	15.51	5	36.1	12	53.47	4	38.7	9
30	32.54	8	36.3	5	29.36	14	61.8	15	15.46	11	37.3	11	53.43	9	39.6	7
Febr. 9	32.46	11	35.8	5	29.22	21	63.3	11	15.35	16	38.4	8	53.34	14	40.3	6
19	32.35	15	35.3	2	29.01	25	64.4	8	15.19	20	39.2	6	53.20	17	40.9	5
März 1	32.20	16	35.1	2	28.76	29	65.2	5	14.99	23	39.8	4	53.03	20	41.4	2
11	32.04	16	34.9	1	28.47	30	65.7	0	14.76	24	40.2	0	52.83	21	41.6	1
21	31.88	16	34.8	0	28.17	29	65.7	3	14.52	23	40.2	2	52.62	20	41.7	2
31	31.72	16	34.8	2	27.88	27	65.4	6	14.29	22	40.0	5	52.42	19	41.5	4
April 10	31.56	13	35.0	2	27.61	23	64.8	10	14.07	18	39.5	8	52.23	16	41.1	6
20	31.43	10	35.2	4	27.38	18	63.8	13	13.89	14	38.7	9	52.07	12	40.5	6
30	31.33	6	35.6	4	27.20	13	62.5	15	13.75	10	37.8	11	51.95	8	39.9	9
Mai 10	31.27	2	36.0	6	27.07	6	61.0	16	13.65	4	36.7	13	51.87	3	39.0	9
20	31.25	2	36.6	7	27.01	1	59.4	18	13.61	2	35.4	13	51.84	2	38.1	8
30	31.27	6	37.3	8	27.02	7	57.6	18	13.63	7	34.1	13	51.86	7	37.3	9
Juni 9	31.33	10	38.1	9	27.09	15	55.8	18	13.70	14	32.8	13	51.93	13	36.4	9
19	31.43	16	39.0	10	27.24	24	54.0	19	13.84	21	31.5	13	52.06	19	35.5	9
29	[19] 31.59	18	40.0	10	[20] 27.48	28	52.1	16	[20] 14.05	24	30.2	11	[20] 52.25	22	34.6	7
Juli 9	31.77	21	41.0	11	27.76	33	50.5	14	14.29	28	29.1	10	52.47	26	33.9	6
19	31.98	23	42.1	9	28.09	38	49.1	13	14.57	33	28.1	9	52.73	29	33.3	5
29	32.21	26	43.0	9	28.47	42	47.8	11	14.90	35	27.2	7	53.02	32	32.8	4
Aug. 8	32.47	27	43.9	8	28.89	45	46.7	9	15.25	38	26.5	6	53.34	34	32.4	3
18	32.74	29	44.7	6	29.34	47	45.8	6	15.63	39	25.9	4	53.68	36	32.1	2
28	33.03	30	45.3	5	29.81	49	45.2	4	16.02	41	25.5	3	54.04	36	31.9	2
Sept. 7	33.33	30	45.8	2	30.30	50	44.8	2	16.43	42	25.2	1	54.40	38	31.7	0
17	33.63	30	46.0	0	30.80	50	44.6	0	16.85	43	25.1	0	54.78	38	31.7	0
27	33.93	31	46.0	2	31.30	50	44.6	3	17.28	42	25.1	2	55.16	38	31.7	1
Okt. 7	34.24	29	45.8	4	31.80	49	44.9	6	17.70	41	25.3	4	55.54	37	31.8	2
17	34.53	29	45.4	7	32.29	48	45.5	7	18.11	40	25.7	5	55.91	36	32.0	3
27	34.82	27	44.7	8	32.77	45	46.2	10	18.51	38	26.2	6	56.27	35	32.3	3
Nov. 6	35.09	25	43.9	9	33.22	42	47.2	12	18.89	35	26.8	9	56.62	32	32.6	5
16	35.34	23	43.0	10	33.64	37	48.4	15	19.24	32	27.7	9	56.94	29	33.1	5
26	35.57	20	42.0	11	34.01	32	49.9	16	19.56	28	28.6	11	57.23	25	33.6	7
Dez. 6	35.77	17	40.9	11	34.33	26	51.5	17	19.84	22	29.7	12	57.48	21	34.3	8
16	35.94	12	39.8	10	34.59	18	53.2	19	20.06	17	30.9	13	57.69	15	35.1	8
26	36.06	7	38.8	9	34.77	12	55.1	19	20.23	11	32.2	13	57.84	11	35.9	8
36	36.13		37.9		34.89		57.0		20.34		33.5		57.95		36.7	
Mittl. Ort	30.93		30.9		26.74		45.7		13.23		23.2		51.41		27.3	
sec δ, tg δ	1.008		+0.130		1.713		+1.391		1.413		+0.998		1.256		+0.759	

1914	229) η Columbae.				232) ν Orionis.				234) 22 H. Camelop.				236) η Geminor.			
	AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	5h 56m		42° 48′		6h 2m		14° 46′		6h 9m		69° 21′		6h 9m		22° 31′	
Jan. 0	32.83s	2	65.4″	32	41.36s	7	54.1″	5	26.73s	11	16.7″	26	42.94s	9	65.6″	0
10	32.81	7	68.6	28	41.43	2	53.6	4	26.84	2	19.3	25	43.03	3	65.6	1
20	32.74	14	71.4	25	41.45	3	53.2	2	26.82	15	21.8	24	43.06	2	65.7	2
30	32.60	18	73.9	21	41.42	7	53.0	2	26.67	27	24.2	20	43.04	7	65.9	1
Febr. 9	32.42	22	76.0	17	41.35	11	52.8	2	26.40	36	26.2	17	42.97	10	66.0	1
19	32.20	25	77.7	12	41.24	14	52.6	1	26.04	43	27.9	13	42.87	15	66.1	2
März 1	31.95	27	78.9	7	41.10	16	52.5	0	25.61	50	29.2	9	42.72	16	66.3	1
11	31.68	28	79.6	2	40.94	16	52.5	0	25.11	52	30.1	3	42.56	18	66.4	0
21	31.40	28	79.8	2	40.78	17	52.5	0	24.59	52	30.4	2	42.38	17	66.4	0
31	31.12	26	79.6	8	40.61	16	52.5	0	24.07	49	30.2	6	42.21	16	66.4	1
April 10	30.86	24	78.8	12	40.45	13	52.5	0	23.58	45	29.6	11	42.05	14	66.3	1
20	30.62	21	77.6	17	40.32	11	52.5	1	23.13	38	28.5	16	41.91	12	66.2	1
30	30.41	17	75.9	20	40.21	7	52.6	2	22.75	29	26.9	18	41.79	7	66.1	2
Mai 10	30.24	12	73.9	23	40.14	2	52.8	2	22.46	18	25.1	22	41.72	4	65.9	1
20	30.12	7	71.6	27	40.12	1	53.0	3	22.28	8	22.9	23	41.68	1	65.8	2
30	30.05	2	68.9	29	40.13	6	53.3	3	22.20	3	20.6	25	41.69	5	65.6	0
Juni 9	30.03	3	66.0	30	40.19	10	53.6	4	22.23	14	18.1	25	41.74	10	65.6	1
19	30.06	10	63.0	34	40.29	15	54.0	6	22.37	28	15.6	27	41.84	15	65.5	0
29	[20] 30.16	14	59.6	31	[22] 40.44	18	54.6	5	[24] 22.65	36	12.9	24	[24] 41.99	18	65.5	1
Juli 9	30.30	19	56.5	30	40.62	21	55.1	6	23.01	46	10.5	22	42.17	21	65.6	1
19	30.49	22	53.5	27	40.83	24	55.7	6	23.47	54	8.3	21	42.38	24	65.7	1
29	30.71	27	50.8	25	41.07	26	56.3	5	24.01	61	6.2	18	42.62	27	65.8	1
Aug. 8	30.98	29	48.3	21	41.33	28	56.8	4	24.62	67	4.4	15	42.89	29	65.9	2
18	31.27	32	46.2	17	41.61	29	57.2	4	25.29	71	2.9	12	43.18	30	66.1	1
28	31.59	34	44.5	11	41.90	30	57.6	2	26.00	77	1.7	9	43.48	31	66.2	0
Sept. 7	31.93	35	43.4	6	42.20	31	57.8	1	26.77	78	0.8	6	43.79	33	66.2	1
17	32.28	36	42.8	0	42.51	32	57.9	0	27.55	80	0.2	2	44.12	33	66.1	1
27	32.64	35	42.8	7	42.83	31	57.9	2	28.35	80	0.0	1	44.45	33	66.0	2
Okt. 7	32.99	35	43.5	12	43.14	31	57.7	4	29.15	80	0.1	5	44.78	33	65.8	2
17	33.34	32	44.7	18	43.45	30	57.3	4	29.95	76	0.6	9	45.11	32	65.6	3
27	33.66	30	46.5	23	43.75	29	56.9	5	30.71	73	1.5	12	45.43	30	65.3	3
Nov. 6	33.96	27	48.8	27	44.04	27	56.4	6	31.44	67	2.7	16	45.73	29	65.0	4
16	34.23	23	51.5	30	44.31	25	55.8	8	32.11	60	4.3	19	46.02	27	64.6	3
26	34.46	18	54.5	33	44.56	21	55.0	7	32.71	51	6.2	22	46.29	24	64.3	3
Dez. 6	34.64	13	57.8	33	44.77	18	54.3	7	33.22	41	8.4	23	46.53	20	64.0	2
16	34.77	7	61.1	34	44.95	14	53.6	6	33.63	30	10.7	25	46.73	15	63.8	1
26	34.84	2	64.5	32	45.09	9	53.0	5	33.93	16	13.2	26	46.88	11	63.7	1
36	34.86		67.7		45.18		52.5		34.09		15.8		46.99		63.6	
Mittl. Ort	30.85		70.5		39.71		46.3		22.33		6.7		41.20		57.7	
sec δ, tg δ	1.363		—0.926		1.034		+0.264		2.836		+2.654		1.083		+0.415	

1914	240) ξ Canis maj. AR.		240) Dekl. −		241) μ Geminor. AR.		241) Dekl. +		242) ψ¹ Aurigae. AR.		242) Dekl. +		243) β Canis maj. AR.		243) Dekl. −	
	6ʰ 17ᵐ		30° 1′		6ʰ 17ᵐ		22° 33′		6ʰ 18ᵐ		49° 19′		6ʰ 18ᵐ		17° 54′	
Jan. 0	2.38	4	22.0	28	47.25	9	38.9	0	19.06	11	67.3	16	56.34	5	38.6	23
10	2.42	2	24.8	26	47.34	4	38.9	1	19.17	4	68.9	16	56.39	1	40.9	21
20	2.40	6	27.4	24	47.38	1	39.0	1	19.21	4	70.5	15	56.40	4	43.0	19
30	2.34	12	29.8	20	47.37	6	39.1	2	19.17	9	72.0	14	56.36	9	44.9	16
Febr. 9	2.22	15	31.8	16	47.31	10	39.3	1	19.08	16	73.4	12	56.27	12	46.5	13
19	2.07	18	33.4	12	47.21	14	39.4	2	18.92	21	74.6	9	56.15	15	47.8	10
März 1	1.89	21	34.6	9	47.07	16	39.6	1	18.71	23	75.5	7	56.00	18	48.8	7
11	1.68	22	35.5	3	46.91	17	39.7	1	18.48	26	76.2	3	55.82	18	49.5	2
21	1.46	22	35.8	0	46.74	17	39.8	0	18.22	26	76.5	0	55.64	19	49.7	0
31	1.24	21	35.8	4	46.57	17	39.8	1	17.96	25	76.5	4	55.45	18	49.7	3
April 10	1.03	20	35.4	9	46.40	15	39.7	0	17.71	22	76.1	6	55.27	16	49.4	7
20	0.83	17	34.5	12	46.25	11	39.7	2	17.49	18	75.5	10	55.11	14	48.7	10
30	0.66	13	33.3	16	46.14	8	39.5	1	17.31	13	74.5	11	54.97	11	47.7	12
Mai 10	0.53	9	31.7	19	46.06	5	39.4	2	17.18	8	73.4	14	54.86	7	46.5	16
20	0.44	5	29.8	22	46.01	0	39.2	1	17.10	2	72.0	14	54.79	3	44.9	17
30	0.39	1	27.6	24	46.01	5	39.1	1	17.08	4	70.6	16	54.76	1	43.2	20
Juni 9	0.38	4	25.2	25	46.06	9	39.0	1	17.12	11	69.0	15	54.77	6	41.2	20
19	0.42	9	22.7	30	46.15	14	38.9	0	17.23	18	67.5	17	54.83	10	39.2	24
29	0.51	12	19.7	28	46.29	17	38.9	0	17.41	22	65.8	15	54.93	13	36.8	22
Juli 9	0.63	16	16.9	25	46.46	21	38.9	1	17.63	28	64.3	14	55.06	17	34.6	21
19	0.79	20	14.4	24	46.67	23	39.0	0	17.91	31	62.9	13	55.23	20	32.5	21
29	0.99	23	12.0	23	46.90	26	39.0	1	18.22	35	61.6	11	55.43	22	30.4	18
Aug. 8	1.22	26	9.7	19	47.16	29	39.1	1	18.57	39	60.5	10	55.65	24	28.6	16
18	1.48	27	7.8	16	47.45	30	39.2	0	18.96	41	59.5	9	55.89	27	27.0	13
28	1.75	30	6.2	11	47.75	30	39.2	0	19.37	43	58.6	6	56.16	28	25.7	9
Sept. 7	2.05	31	5.1	6	48.05	33	39.2	1	19.80	44	58.0	5	56.44	29	24.8	5
17	2.36	32	4.5	1	48.38	33	39.1	2	20.24	46	57.5	3	56.73	30	24.3	0
27	2.68	31	4.4	4	48.71	33	38.9	2	20.70	46	57.2	1	57.03	31	24.3	4
Okt. 7	2.99	32	4.8	10	49.04	33	38.7	3	21.16	45	57.1	1	57.34	30	24.7	8
17	3.31	31	5.8	15	49.37	32	38.4	4	21.61	45	57.2	3	57.64	29	25.5	13
27	3.62	29	7.3	19	49.69	32	38.0	4	22.06	43	57.5	5	57.93	28	26.8	17
Nov. 6	3.91	27	9.2	24	50.01	29	37.6	4	22.49	40	58.0	8	58.21	26	28.5	20
16	4.18	23	11.6	27	50.30	28	37.2	4	22.89	37	58.8	9	58.47	24	30.5	23
26	4.41	21	14.3	29	50.58	24	36.8	3	23.26	33	59.7	12	58.71	21	32.8	24
Dez. 6	4.62	16	17.2	29	50.82	21	36.5	2	23.59	27	60.9	13	58.92	17	35.2	25
16	4.78	11	20.1	31	51.03	16	36.3	2	23.86	21	62.2	15	59.09	12	37.7	25
26	4.89	6	23.2	29	51.19	12	36.1	1	24.07	15	63.7	15	59.21	8	40.2	24
36	4.95		26.1		51.31		36.0		24.22		65.2		59.29		42.6	
Mittl. Ort	0.67		28.3		45.49		31.3		16.58		58.8		54.73		45.1	
sec δ, tg δ	1.155		−0.578		1.083		+0.415		1.535		+1.164		1.051		−0.323	

1914	244) 8 Monocerot. AR.	Diff.	Dekl. +	Diff.	245) α Argus. AR.	Diff.	Dekl. −	Diff.	246) 10 Monocerot. AR.	Diff.	Dekl. −	Diff.	247) 8 Lyncis. AR.	Diff.	Dekl. +	Diff.
	5h 19m		4° 38′		6h 22m		52° 38′		6h 23m		4° 42′		6h 29m		61° 33′	
	s		″		s		″		s		″		s		″	
Jan. 0	14.27	9	21.4	11	4.77	1	47.6	34	44.35	7	23.0	16	53.44	15	37.1	23
10	14.36	2	20.3	10	4.76	10	51.0	32	44.42	3	24.6	15	53.59	4	39.4	22
20	14.38	1	19.3	8	4.66	15	54.2	29	44.45	2	26.1	13	53.63	5	41.6	21
30	14.37	6	18.5	7	4.51	22	57.1	26	44.43	6	27.4	11	53.58	14	43.7	19
Febr. 9	14.31	10	17.8	5	4.29	26	59.7	21	44.37	10	28.5	9	53.44	22	45.6	16
19	14.21	13	17.3	4	4.03	31	61.8	16	44.27	13	29.4	7	53.22	29	47.2	14
März 1	14.08	15	16.9	3	3.72	34	63.4	11	44.14	16	30.1	4	52.93	34	48.6	9
11	13.93	17	16.6	0	3.38	35	64.5	6	43.98	17	30.5	2	52.59	36	49.5	5
21	13.76	16	16.6	0	3.03	36	65.1	0	43.81	17	30.7	0	52.23	37	50.0	1
31	13.60	16	16.6	1	2.67	35	65.1	4	43.64	16	30.7	3	51.86	37	50.1	3
April 10	13.44	14	16.7	3	2.32	32	64.7	10	43.48	15	30.4	4	51.49	32	49.8	8
20	13.30	11	17.0	4	2.00	30	63.7	14	43.33	12	30.0	7	51.17	29	49.0	11
30	13.19	9	17.4	5	1.70	25	62.3	19	43.21	9	29.3	8	50.88	22	47.9	15
Mai 10	13.10	4	17.9	7	1.45	20	60.4	23	43.12	6	28.5	10	50.66	15	46.4	18
20	13.06	1	18.6	8	1.25	15	58.1	25	43.06	1	27.5	12	50.51	8	44.6	19
30	13.05	4	19.4	8	1.10	9	55.6	29	43.05	2	26.3	13	50.43	1	42.7	21
Juni 9	13.09	7	20.2	10	1.01	3	52.7	31	43.07	6	25.0	15	50.44	9	40.6	22
19	13.16	13	21.2	11	0.98	4	49.6	35	43.13	11	23.5	16	50.53	17	38.4	22
29	13.29	15	22.3	11	1.02	9	46.1	33	43.24	14	21.9	15	50.70	28	36.2	24
Juli 9	13.44	18	23.4	10	1.11	16	42.8	31	43.38	17	20.4	15	50.98	32	33.8	21
19	13.62	21	24.4	10	1.27	21	39.7	30	43.55	20	18.9	15	51.30	38	31.7	19
29	13.83	23	25.4	9	1.48	26	36.7	28	43.75	22	17.4	13	51.68	44	29.8	18
Aug. 8	14.06	26	26.3	8	1.74	30	33.9	24	43.97	25	16.1	11	52.12	49	28.0	15
18	14.32	27	27.1	6	2.04	34	31.5	19	44.22	26	15.0	9	52.61	53	26.5	13
28	14.59	28	27.7	4	2.38	38	29.6	14	44.48	28	14.1	6	53.14	56	25.2	11
Sept. 7	14.87	30	28.1	2	2.76	39	28.2	9	44.76	29	13.5	3	53.70	58	24.1	8
17	15.17	30	28.3	1	3.15	41	27.3	3	45.05	29	13.2	0	54.28	60	23.3	5
27	15.47	30	28.2	3	3.56	42	27.0	5	45.34	30	13.2	3	54.88	61	22.8	2
Okt. 7	15.77	30	27.9	5	3.98	40	27.5	10	45.64	30	13.5	8	55.49	60	22.6	1
17	16.07	29	27.4	10	4.38	40	28.5	17	45.94	29	14.3	10	56.09	60	22.7	4
27	16.36	29	26.4	10	4.78	36	30.2	22	46.23	28	15.3	13	56.69	57	23.1	7
Nov. 6	16.65	27	25.4	11	5.14	33	32.4	27	46.51	27	16.6	16	57.26	55	23.8	11
16	16.92	25	24.3	13	5.47	28	35.1	31	46.78	25	18.2	17	57.81	49	24.9	13
26	17.17	22	23.0	13	5.75	22	38.2	35	47.03	22	19.9	18	58.30	44	26.2	16
Dez. 6	17.39	19	21.7	14	5.97	17	41.7	35	47.25	18	21.7	18	58.74	36	27.8	19
16	17.58	15	20.3	12	6.14	9	45.2	36	47.43	14	23.5	19	59.10	28	29.7	21
26	17.73	10	19.1	12	6.23	2	48.8	36	47.57	9	25.4	17	59.38	19	31.8	21
36	17.83		17.9		6.25		52.4		47.66		27.1		59.57		33.9	
Mittl. Ort	12.67		14.4		2.50		54.0		42.77		29.7		50.04		29.2	
sec δ, tg δ	1.003		+0.081		1.648		−1.310		1.003		−0.082		2.100		+1.846	

1914	249) ξ² Canis maj. AR.		Dekl. −		248) 23 H. Camelop. AR.		Dekl. +		250) 51 Aurigae. AR.		Dekl. +		251) γ Geminorum. AR.		Dekl. +	
	$6^h\ 31^m$		22° 53′		$6^h\ 31^m$		79° 39′		$6^h\ 32^m$		39° 28′		$6^h\ 32^m$		16° 28′	
Jan. 0	28.73	6	39.0	25	43.43	22	44.5	30	44.20	12	10.9	10	46.36	10	31.7	4
10	28.79	2	41.5	24	43.65	3	47.5	29	44.32	5	11.9	10	46.46	6	31.3	4
20	28.81	4	43.9	22	43.62	27	50.4	27	44.37	0	12.9	10	46.52	0	30.9	2
30	28.77	8	46.1	19	43.35	51	53.1	25	44.37	6	13.9	10	46.52	5	30.7	1
Febr. 9	28.69	13	48.0	15	42.84	70	55.6	22	44.31	11	14.9	9	46.47	9	30.6	1
19	28.56	16	49.5	12	42.14	86	57.8	17	44.20	16	15.8	8	46.38	12	30.5	0
März 1	28.40	18	50.7	9	41.28	99	59.5	12	44.04	19	16.6	5	46.26	15	30.5	1
11	28.22	20	51.6	4	40.29	106	60.7	6	43.85	21	17.1	4	46.11	17	30.6	0
21	28.02	20	52.0	1	39.23	109	61.3	1	43.64	21	17.5	1	45.94	16	30.6	1
31	27.82	19	52.1	3	38.14	105	61.4	5	43.43	20	17.6	1	45.78	16	30.7	0
April 10	27.63	17	51.8	7	37.09	99	60.9	10	43.23	18	17.5	4	45.62	15	30.7	1
20	27.46	16	51.1	10	36.10	88	59.9	16	43.05	16	17.1	6	45.47	12	30.8	1
30	27.30	12	50.1	13	35.22	72	58.3	19	42.89	12	16.5	7	45.35	9	30.9	1
Mai 10	27.18	9	48.8	16	34.50	55	56.4	23	42.77	7	15.8	8	45.26	5	31.0	2
20	27.09	4	47.2	18	33.95	35	54.1	26	42.70	2	15.0	10	45.21	2	31.2	1
30	27.05	1	45.4	21	33.60	15	51.5	28	42.68	3	14.0	10	45.19	3	31.3	2
Juni 9	27.04	3	43.3	22	33.45	7	48.7	28	42.71	8	13.0	11	45.22	7	31.5	3
19	27.07	8	41.1	24	33.52	28	45.9	31	42.79	13	11.9	11	45.29	11	31.8	3
29	27.15	12	38.7	26	33.80	55	42.8	32	42.92	20	10.8	11	45.40	17	32.1	3
Juli 9	27.27	15	36.1	23	34.35	69	39.6	28	43.12	22	9.7	9	45.57	18	32.4	3
19	27.42	19	33.8	22	35.04	86	36.8	26	43.34	26	8.8	9	45.75	21	32.7	4
29	27.61	21	31.6	20	35.90	103	34.2	23	43.60	29	7.9	9	45.96	24	33.1	2
Aug. 8	27.82	24	29.6	18	36.93	117	31.9	21	43.89	32	7.0	8	46.20	26	33.3	3
18	28.06	26	27.8	14	38.10	129	29.8	18	44.21	35	6.2	6	46.46	28	33.6	1
28	28.32	28	26.4	10	39.39	137	28.0	14	44.56	36	5.6	6	46.74	29	33.7	0
Sept. 7	28.60	30	25.4	6	40.76	147	26.6	10	44.92	37	5.0	5	47.03	31	33.7	0
17	28.90	30	24.8	2	42.23	150	25.6	6	45.29	39	4.5	5	47.34	31	33.7	3
27	29.20	31	24.6	4	43.73	152	25.0	2	45.68	40	4.0	3	47.65	32	33.4	3
Okt. 7	29.51	30	25.0	9	45.25	152	24.8	3	46.08	39	3.7	2	47.97	32	33.1	5
17	29.81	31	25.9	13	46.77	148	25.1	7	46.47	39	3.5	1	48.29	32	32.6	6
27	30.12	29	27.2	17	48.25	140	25.8	12	46.86	38	3.4	1	48.61	31	32.0	7
Nov. 6	30.41	27	28.9	22	49.65	131	27.0	15	47.24	36	3.5	1	48.92	29	31.3	8
16	30.68	25	31.1	24	50.96	118	28.5	20	47.60	33	3.6	4	49.21	28	30.5	7
26	30.93	22	33.5	26	52.14	101	30.5	23	47.93	30	4.0	5	49.49	25	29.8	8
Dez. 6	31.15	18	36.1	28	53.15	81	32.8	26	48.23	26	4.5	7	49.74	21	29.0	7
16	31.33	13	38.9	27	53.96	59	35.4	28	48.49	21	5.2	8	49.95	17	28.3	6
26	31.46	9	41.6	27	54.55	35	38.2	29	48.70	15	6.0	9	50.12	13	27.7	5
36	31.55		44.3		54.90		41.1		48.85		6.9		50.25		27.2	
Mittl. Ort	27.10		45.7		34.62		36.2		42.05		3.6		44.66		24.8	
sec δ, tg δ	1.085		−0.422		5.572		+5.482		1.295		+0.823		1.043		+0.296	

1914	252) ν Argus. AR.		Dekl. −		253) *S* Monocerot. AR.		Dekl. +		254) ε Geminorum. AR.		Dekl. +		256) ξ Geminorum. AR.		Dekl. +	
	6h 35m		43° 6′		6h 36m		9° 58′		6h 38m		25° 13′		6h 40m		12° 59′	
Jan. 0	9.69		65.5		16.19		40.7		40.36		8.7		29.47		27.5	
10	9.72	3	68.8	33	16.30	11	39.9	8	40.47	11	8.8	1	29.57	10	26.8	7
20	9.69	3	72.0	32	16.35	5	39.2	7	40.53	6	9.0	2	29.63	6	26.3	5
30	9.60	9	74.8	28	16.34	1	38.6	6	40.54	1	9.3	3	29.64	1	25.8	5
Febr. 9	9.46	14	77.3	25	16.30	4	38.2	4	40.50	4	9.6	3	29.60	4	25.5	3
19	9.27	19	79.4	21	16.21	9	37.8	4	40.41	9	9.9	3	29.51	9	25.3	2
März 1	9.04	23	81.0	16	16.09	12	37.6	2	40.28	13	10.2	3	29.39	12	25.2	1
11	8.78	26	82.2	12	15.95	14	37.5	1	40.13	15	10.5	3	29.25	14	25.2	0
21	8.50	28	82.9	7	15.79	16	37.5	0	39.95	18	10.7	2	29.09	16	25.2	0
31	8.22	28	83.1	2	15.62	17	37.5	0	39.78	17	10.8	1	28.92	17	25.3	1
April 10	7.95	27	82.8	3	15.46	16	37.6	1	39.61	17	10.8	0	28.76	16	25.4	1
20	7.69	26	82.0	8	15.32	14	37.8	2	39.45	16	10.8	0	28.61	15	25.5	1
30	7.46	23	80.8	12	15.20	12	38.1	3	39.32	13	10.6	2	28.49	12	25.7	2
Mai 10	7.26	20	79.2	16	15.11	9	38.4	3	39.22	10	10.4	2	28.40	9	25.9	2
20	7.11	15	77.2	20	15.05	6	38.8	4	39.17	5	10.2	2	28.34	6	26.2	3
30	7.00	11	74.8	24	15.04	1	39.3	5	39.15	2	9.9	3	28.32	2	26.5	3
Juni 9	6.93	7	72.2	26	15.06	2	39.8	5	39.17	2	9.6	3	28.35	3	26.9	4
19	6.92	1	69.4	28	15.12	6	40.4	6	39.24	7	9.4	2	28.41	6	27.3	4
29	6.96	4	66.4	30	15.23	11	41.1	7	39.35	11	9.1	3	28.50	9	27.8	5
Juli 9	^{30}7.06	10	63.1	33	^{30}15.38	15	41.8	7	^{1}39.52	17	8.9	2	^{1}28.65	15	28.3	5
19	7.20	14	60.1	30	15.55	17	42.5	7	39.71	19	8.7	2	28.82	17	28.8	5
29	7.38	18	57.3	28	15.75	20	43.2	7	39.93	22	8.6	1	29.02	20	29.3	5
Aug. 8	7.60	22	54.6	27	15.98	23	43.8	6	40.18	25	8.4	2	29.25	23	29.7	4
18	7.87	27	52.3	23	16.23	25	44.3	5	40.45	27	8.2	2	29.50	25	30.0	3
28	8.16	29	50.4	19	16.49	26	44.7	4	40.74	29	8.0	2	29.77	27	30.2	2
Sept. 7	8.48	32	49.0	14	16.77	28	44.9	2	41.05	31	7.7	3	30.05	28	30.3	1
17	8.82	34	48.1	9	17.07	30	44.9	0	41.37	32	7.4	3	30.35	30	30.2	1
27	9.17	35	47.8	3	17.37	30	44.7	2	41.70	33	7.1	3	30.66	31	30.0	2
Okt. 7	9.53	36	48.1	3	17.68	31	44.3	4	42.04	34	6.7	4	30.97	31	29.6	4
17	9.89	36	49.0	9	17.99	31	43.7	6	42.38	34	6.2	5	31.28	31	29.0	6
27	10.24	35	50.6	16	18.30	31	42.9	8	42.72	34	5.7	5	31.60	32	28.3	7
Nov. 6	10.58	34	52.6	20	18.60	30	42.0	9	43.05	33	5.3	4	31.91	31	27.5	8
16	10.88	30	55.1	25	18.89	29	41.0	10	43.37	32	4.9	4	32.20	29	26.5	10
26	11.15	27	58.1	30	19.16	27	39.9	11	43.67	30	4.5	4	32.48	28	25.5	10
Dez. 6	11.38	23	61.3	32	19.40	24	38.8	11	43.94	27	4.2	3	32.72	24	24.6	9
16	11.56	18	64.7	34	19.61	21	37.7	11	44.17	23	4.0	2	32.94	22	23.6	10
26	11.69	13	68.1	34	19.78	17	36.7	10	44.35	18	3.9	1	33.12	18	22.7	9
36	11.75	6	71.6	35	19.90	12	35.8	9	44.49	14	3.9	0	33.24	12	22.0	7
Mittl. Ort	7.77		72.5		14.55		34.0		38.53		2.0		27.79		20.9	
sec δ, tg δ	1.370		−0.936		1.015		+0.176		1.105		+0.471		1.026		+0.231	

1914	257) α Canis maj.*)				258) 18 Monocerot.				261) ϑ Geminorum.				262) α Pictoris.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	$6^h 41^m$		16° 35′		$6^h 43^m$		2° 30′		$6^h 47^m$		34° 3′		$6^h 47^m$		61° 50′	
Jan. 0	22.97	7	45.0	24	24.24	10	31.8	13	9.36	14	63.4	7	21.30	1	47.5	36
10	23.04	3	47.4	22	24.34	5	30.5	12	9.50	7	64.1	7	21.29	11	51.1	35
20	23.07	2	49.6	20	24.39	1	29.3	10	9.57	1	64.8	8	21.18	19	54.6	33
30	23.05	8	51.6	16	24.40	5	28.3	8	9.58	4	65.6	7	20.99	27	57.9	29
Febr. 9	22.97	11	53.2	14	24.35	8	27.5	6	9.54	9	66.3	8	20.72	34	60.8	25
19	22.86	14	54.6	11	24.27	12	26.9	5	9.45	13	67.1	6	20.38	40	63.3	20
März 1	22.72	17	55.7	8	24.15	14	26.4	3	9.32	17	67.7	5	19.98	44	65.3	15
11	22.55	18	56.5	4	24.01	16	26.1	2	9.15	18	68.2	4	19.54	47	66.8	10
21	22.37	18	56.9	1	23.85	17	25.9	0	8.97	20	68.6	2	19.07	48	67.8	5
31	22.19	18	57.0	2	23.68	16	25.9	2	8.77	19	68.8	1	18.59	47	68.3	1
April 10	22.01	17	56.8	5	23.52	15	26.1	3	8.58	17	68.9	2	18.12	46	68.2	6
20	21.84	14	56.3	8	23.37	12	26.4	4	8.41	15	68.7	3	17.66	42	67.6	11
30	21.70	12	55.5	11	23.25	9	26.8	5	8.26	12	68.4	5	17.24	38	66.5	16
Mai 10	21.58	8	54.4	14	23.16	7	27.3	7	8.14	7	67.9	6	16.86	33	64.9	20
20	21.50	4	53.0	16	23.09	2	28.0	8	8.07	3	67.3	6	16.53	27	62.9	24
30	21.46	0	51.4	17	23.07	1	28.8	10	8.04	2	66.7	8	16.26	20	60.5	28
Juni 9	21.46	3	49.7	19	23.08	5	29.8	10	8.06	6	65.9	8	16.06	12	57.7	30
19	21.49	8	47.8	20	23.13	9	30.8	10	8.12	11	65.1	7	15.94	5	54.7	32
29	21.57	12	45.8	22	23.22	14	31.8	12	8.23	17	64.4	9	15.89	4	51.5	37
Juli 9	[1] 21.69	15	43.6	20	[2] 23.36	16	33.0	11	[3] 8.40	20	63.5	7	[3] 15.93	11	47.8	32
19	21.84	18	41.6	19	23.52	19	34.1	10	8.60	23	62.8	7	16.04	18	44.6	31
29	22.02	21	39.7	17	23.71	21	35.1	9	8.83	26	62.1	7	16.22	26	41.5	29
Aug. 8	22.23	24	38.0	15	23.92	23	36.0	8	9.09	28	61.4	6	16.48	32	38.6	27
18	22.47	25	36.5	12	24.15	26	36.8	6	9.37	31	60.8	7	16.80	38	35.9	22
28	22.72	27	35.3	8	24.41	27	37.4	4	9.68	34	60.1	6	17.18	43	33.7	18
Sept. 7	22.99	29	34.5	4	24.68	29	37.8	1	10.02	34	59.5	5	17.61	47	31.9	11
17	23.28	29	34.1	1	24.97	29	37.9	1	10.36	36	59.0	5	18.08	49	30.8	6
27	23.57	30	34.0	5	25.26	30	37.8	4	10.72	37	58.5	5	18.57	51	30.2	1
Okt. 7	23.87	31	34.5	8	25.56	31	37.4	7	11.09	37	58.0	5	19.08	51	30.3	7
17	24.18	29	35.3	13	25.87	30	36.7	9	11.46	37	57.5	3	19.59	50	31.0	15
27	24.47	29	36.6	17	26.17	29	35.8	12	11.83	36	57.2	3	20.09	46	32.5	20
Nov. 6	24.76	28	38.3	20	26.46	29	34.6	13	12.19	35	56.9	1	20.55	42	34.5	26
16	25.04	25	40.3	23	26.75	26	33.3	15	12.54	33	56.8	1	20.97	37	37.1	30
26	25.29	22	42.6	24	27.01	24	31.8	15	12.87	29	56.7	1	21.34	30	40.1	34
Dez. 6	25.51	19	45.0	26	27.25	21	30.3	15	13.16	26	56.8	3	21.64	21	43.5	36
16	25.70	14	47.6	25	27.46	17	28.8	15	13.42	22	57.1	4	21.85	13	47.1	37
26	25.84	10	50.1	25	27.63	12	27.3	14	13.64	16	57.5	6	21.98	4	50.8	38
36	25.94		52.6		27.75		25.9		13.80		58.1		22.02		54.6	
Mittl. Ort	21.60		50.9		22.64		25.2		7.35		57.2		18.58		55.6	
sec δ, tg δ	1.043		−0.298		1.001		+0.044		1.207		+0.676		2.120		−1.869	

*) Ort des Hauptsterns; die jährliche Parallaxe ist bereits angebracht.

1914	265) 15 Lyncis. AR.		Dekl. +		266) ϑ Canis maj. AR.		Dekl. —		268) ε Canis maj. AR.		Dekl. —		269) ζ Geminorum. AR.		Dekl. +	
	6h 49m		58° 32′		6h 50m		11° 55′		6h 55m		28° 50′		6h 59m		20° 41′	
Jan. 0	53.22	18	18.5	21	13.23	10	42.0	21	16.37	7	68.5	30	2.33	13	56.2	2
10	53.40	9	20.6	21	13.33	4	44.1	20	16.44	3	71.5	28	2.46	9	56.0	1
20	53.49	1	22.7	20	13.37	1	46.1	18	16.47	2	74.3	25	2.55	3	55.9	0
30	53.48	9	24.7	19	13.36	5	47.9	15	16.45	8	76.8	22	2.58	3	55.9	1
Febr. 9	53.39	16	26.6	17	13.31	9	49.4	12	16.37	12	79.0	19	2.55	7	56.0	2
19	53.23	24	28.3	14	13.22	12	50.6	10	16.25	16	80.9	16	2.48	11	56.2	2
März 1	52.99	29	29.7	11	13.10	16	51.6	7	16.09	18	82.5	11	2.37	14	56.4	2
11	52.70	32	30.8	7	12.94	17	52.3	4	15.91	20	83.6	7	2.23	16	56.6	2
21	52.38	33	31.5	3	12.77	17	52.7	2	15.71	22	84.3	3	2.07	17	56.8	2
31	52.05	33	31.8	1	12.60	18	52.9	2	15.49	21	84.6	1	1.90	16	57.0	1
April 10	51.72	31	31.7	5	12.42	16	52.7	4	15.28	19	84.5	5	1.74	16	57.1	1
20	51.41	27	31.2	8	12.26	14	52.3	8	15.09	18	84.0	9	1.58	14	57.2	0
30	51.14	22	30.4	12	12.12	11	51.5	9	14.91	15	83.1	12	1.44	10	57.2	0
Mai 10	50.92	16	29.2	16	12.01	8	50.6	11	14.76	12	81.9	16	1.34	7	57.2	0
20	50.76	9	27.6	17	11.93	4	49.5	13	14.64	8	80.3	19	1.27	4	57.2	0
30	50.67	2	25.9	19	11.89	1	48.2	16	14.56	4	78.4	21	1.23	1	57.2	1
Juni 9	50.65	6	24.0	21	11.88	3	46.6	17	14.52	0	76.3	23	1.24	5	57.1	0
19	50.71	13	21.9	21	11.91	7	44.9	17	14.52	4	74.0	24	1.29	9	57.1	0
29	50.84	22	19.8	22	11.98	11	43.2	20	14.56	10	71.6	28	1.38	14	57.1	0
Juli 9	[3] 51.06	27	17.6	21	[3] 12.09	15	41.2	18	[3] 14.66	12	68.8	25	[6] 1.52	16	57.1	1
19	51.33	32	15.5	19	12.24	17	39.4	18	14.78	16	66.3	24	1.68	19	57.0	0
29	51.65	38	13.6	18	12.41	20	37.6	16	14.94	20	63.9	23	1.87	23	57.0	0
Aug. 8	52.03	43	11.8	17	12.61	22	36.0	14	15.14	22	61.6	20	2.10	25	57.0	2
18	52.46	46	10.1	15	12.83	25	34.6	11	15.36	25	59.6	17	2.35	26	56.8	2
28	52.92	50	8.6	13	13.08	26	33.5	8	15.61	28	57.9	12	2.61	29	56.6	2
Sept. 7	53.42	52	7.3	10	13.34	28	32.7	4	15.89	29	56.7	8	2.90	30	56.4	4
17	53.94	55	6.3	8	13.62	29	32.3	1	16.18	31	55.9	3	3.20	32	56.0	4
27	54.49	56	5.5	5	13.91	30	32.2	4	16.49	31	55.6	2	3.52	32	55.6	6
Okt. 7	55.05	56	5.0	2	14.21	30	32.6	8	16.80	32	55.8	8	3.84	33	55.0	6
17	55.61	56	4.8	0	14.51	30	33.4	11	17.12	32	56.6	13	4.17	34	54.4	7
27	56.17	55	4.8	4	14.81	30	34.5	15	17.44	32	57.9	18	4.51	32	53.7	8
Nov. 6	56.72	52	5.2	7	15.11	28	36.0	18	17.76	29	59.7	22	4.83	32	52.9	7
16	57.24	48	5.9	10	15.39	26	37.8	21	18.05	27	61.9	25	5.15	30	52.2	7
26	57.72	44	6.9	13	15.65	24	39.9	22	18.32	24	64.4	28	5.45	28	51.5	7
Dez. 6	58.16	37	8.2	16	15.89	20	42.1	23	18.56	21	67.2	30	5.73	24	50.8	6
16	58.53	30	9.8	18	16.09	17	44.4	23	18.77	15	70.2	31	5.97	21	50.2	5
26	58.83	21	11.6	19	16.26	11	46.7	22	18.92	11	73.3	30	6.18	15	49.7	3
36	59.04		13.5		16.37		48.9		19.03		76.3		6.33		49.4	
Mittl. Ort	50.03		12.4		11.66		48.8		14.72		76.0		0.57		50.5	
sec δ, tg δ	1.916		+1.634		1.022		—0.211		1.142		—0.551		1.069		+0.378	

1914	271) γ Canis maj. AR.	Δ	271) γ Canis maj. Dekl. −	Δ	273) δ Canis maj. AR.	Δ	273) δ Canis maj. Dekl. −	Δ	274) 63 Aurigae. AR.	Δ	274) 63 Aurigae. Dekl. +	Δ	277) λ Geminorum. AR.	Δ	277) λ Geminorum. Dekl. +	Δ
	$6^h\ 59^m$		15° 30′		$7^h\ 4^m$		26° 15′		$7^h\ 5^m$		39° 27′		$7^h\ 13^m$		16° 41′	
Jan. 0	53.65	10	13.0	24	55.25	9	14.2	29	46.74	17	47.6	9	10.82	14	52.1	6
10	53.75	5	15.4	22	55.34	4	17.1	27	46.91	10	48.5	11	10.96	9	51.5	4
20	53.80	0	17.6	20	55.38	1	19.8	25	47.01	3	49.6	11	11.05	4	51.1	2
30	53.80	5	19.6	17	55.37	6	22.3	22	47.04	3	50.7	10	11.09	1	50.9	1
Febr. 9	53.75	9	21.3	15	55.31	10	24.5	19	47.01	8	51.7	11	11.08	6	50.8	1
19	53.66	12	22.8	11	55.21	15	26.4	15	46.93	13	52.8	9	11.02	10	50.7	1
März 1	53.54	16	23.9	8	55.06	17	27.9	12	46.80	17	53.7	8	10.92	13	50.8	1
11	53.38	17	24.7	6	54.89	19	29.1	7	46.63	20	54.5	6	10.79	15	50.9	1
21	53.21	18	25.3	2	54.70	21	29.8	4	46.43	20	55.1	4	10.64	16	51.0	2
31	53.03	18	25.5	1	54.49	20	30.2	0	46.23	21	55.5	1	10.48	16	51.2	2
April 10	52.85	16	25.4	4	54.29	19	30.2	4	46.02	20	55.6	1	10.32	16	51.4	1
20	52.69	15	25.0	7	54.10	17	29.8	8	45.82	17	55.5	4	10.16	14	51.5	2
30	52.54	13	24.3	10	53.93	15	29.0	11	45.65	13	55.1	5	10.02	10	51.7	1
Mai 10	52.41	8	23.3	12	53.78	12	27.9	15	45.52	10	54.6	7	9.92	8	51.8	2
20	52.33	6	22.1	14	53.66	8	26.4	17	45.42	6	53.9	8	9.84	4	52.0	1
30	52.27	2	20.7	17	53.58	4	24.7	20	45.36	0	53.1	10	9.80	1	52.1	2
Juni 9	52.25	2	19.0	18	53.54	0	22.7	21	45.36	4	52.1	11	9.79	3	52.3	2
19	52.27	5	17.2	18	53.54	4	20.6	24	45.40	9	51.0	11	9.82	8	52.5	1
29	52.32	11	15.4	22	53.58	8	18.2	26	45.49	16	49.9	12	9.90	10	52.6	2
Juli 9	52.43	13	13.2	19	53.66	12	15.6	24	45.65	18	48.7	11	10.00	16	52.8	2
19	52.56	16	11.3	19	53.78	15	13.2	23	45.83	22	47.6	11	10.16	18	53.0	1
29	52.72	19	9.4	17	53.93	19	10.9	22	46.05	26	46.5	11	10.34	20	53.1	1
Aug. 8	52.91	22	7.7	16	54.12	21	8.7	19	46.31	29	45.4	11	10.54	23	53.2	0
18	53.13	24	6.1	12	54.33	24	6.8	16	46.60	32	44.3	10	10.77	25	53.2	1
28	53.37	26	4.9	9	54.57	27	5.2	12	46.92	33	43.3	9	11.02	27	53.1	2
Sept. 7	53.63	28	4.0	5	54.84	28	4.0	8	47.25	36	42.4	9	11.29	30	52.9	3
17	53.91	29	3.5	1	55.12	30	3.2	3	47.61	38	41.5	8	11.59	30	52.6	5
27	54.20	29	3.4	3	55.42	32	2.9	2	47.99	39	40.7	7	11.89	31	52.1	6
Okt. 7	54.49	31	3.7	7	55.74	31	3.1	7	48.38	39	40.0	6	12.20	32	51.5	7
17	54.80	30	4.4	12	56.05	32	3.8	12	48.77	40	39.4	4	12.52	33	50.8	9
27	55.10	30	5.6	15	56.37	31	5.0	17	49.17	40	39.0	3	12.85	32	49.9	10
Nov. 6	55.40	29	7.1	19	56.68	30	6.7	22	49.57	38	38.7	2	13.17	32	48.9	9
16	55.69	27	9.0	22	56.98	28	8.9	24	49.95	36	38.5	1	13.49	31	48.0	10
26	55.96	24	11.2	24	57.26	25	11.3	28	50.31	34	38.6	2	13.80	28	47.0	10
Dez. 6	56.20	21	13.6	24	57.51	21	14.1	29	50.65	29	38.8	5	14.08	24	46.0	9
16	56.41	17	16.0	25	57.72	17	17.0	29	50.94	24	39.3	7	14.32	21	45.1	7
26	56.58	12	18.5	24	57.89	11	19.9	29	51.18	19	40.0	8	14.53	17	44.4	7
36	56.70		20.9		58.00		22.8		51.37		40.8		14.70		43.7	
Mittl. Ort	52.08		20.0		53.64		21.8		44.55		42.7		9.10		46.8	
sec δ, tg δ	1.038		−0.277		1.115		−0.493		1.295		+0.823		1.044		+0.300	

1914	278) π Argus.				279) δ Geminorum.				280) 19 Lyncis sq.				281) δ Volantis.			
	AR.	Δ	Dekl. —	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. —	Δ
	$7^h\ 14^m$		36° 56′		$7^h\ 14^m$		22° 8′		$7^h\ 15^m$		55° 26′		$7^h\ 16^m$		67° 47′	
Jan. 0	7.99	10	24.7	33	61.10	15	34.7	2	54.32	22	44.3	18	55.78	3	49.2	38
10	8.09	3	28.0	31	61.25	10	34.5	0	54.54	13	46.1	19	55.81	9	53.0	37
20	8.12	2	31.1	30	61.35	4	34.5	1	54.67	4	48.0	20	55.72	20	56.7	35
30	8.10	9	34.1	26	61.39	1	34.6	1	54.71	4	50.0	19	55.52	30	60.2	32
Febr. 9	8.01	13	36.7	23	61.38	5	34.7	3	54.67	12	51.9	17	55.22	39	63.4	29
19	7.88	16	39.0	19	61.33	10	35.0	3	54.55	18	53.6	16	54.83	47	66.3	25
März 1	7.72	21	40.9	15	61.23	14	35.3	3	54.37	24	55.2	12	54.36	53	68.8	20
11	7.51	22	42.4	11	61.09	15	35.6	3	54.13	27	56.4	10	53.83	57	70.8	14
21	7.29	24	43.5	6	60.94	17	35.9	2	53.86	30	57.4	6	53.26	60	72.2	10
31	7.05	24	44.1	1	60.77	17	36.1	2	53.56	30	58.0	2	52.66	61	73.2	4
April 10	6.81	23	44.2	3	60.60	16	36.3	1	53.26	29	58.2	2	52.05	59	73.6	1
20	6.58	22	43.9	8	60.44	14	36.4	1	52.97	25	58.0	6	51.46	57	73.5	6
30	6.36	18	43.1	11	60.30	11	36.5	0	52.72	22	57.4	9	50.89	53	72.9	12
Mai 10	6.18	16	42.0	16	60.19	8	36.5	1	52.50	17	56.5	12	50.36	47	71.7	16
20	6.02	12	40.4	19	60.11	5	36.4	0	52.33	11	55.3	15	49.89	41	70.1	20
30	5.90	7	38.5	22	60.06	1	36.4	1	52.22	5	53.8	17	49.48	33	68.1	25
Juni 9	5.83	4	36.3	24	60.05	4	36.3	2	52.17	1	52.1	18	49.15	25	65.6	27
19	5.79	1	33.9	26	60.09	7	36.1	1	52.18	8	50.3	20	48.90	16	62.9	30
29	5.80	5	31.3	28	60.16	11	36.0	2	52.26	15	48.3	20	48.74	7	59.9	32
Juli 9	5.85	11	28.5	30	60.27	16	35.8	1	52.41	23	46.3	22	48.67	4	56.7	36
19	5.96	14	25.5	27	60.43	19	35.7	2	52.64	26	44.1	20	48.71	13	53.1	32
29	6.10	17	22.8	25	60.62	21	35.5	2	52.90	32	42.1	19	48.84	23	49.9	30
Aug. 8	6.27	22	20.3	23	60.83	23	35.3	3	53.22	36	40.2	18	49.07	32	46.9	28
18	6.49	25	18.0	19	61.06	26	35.0	4	53.58	40	38.4	17	49.39	39	44.1	25
28	6.74	27	16.1	16	61.32	28	34.6	4	53.98	44	36.7	15	49.78	48	41.6	21
Sept. 7	7.01	30	14.5	10	61.60	30	34.2	5	54.42	46	35.2	13	50.26	53	39.5	15
17	7.31	32	13.5	6	61.90	31	33.7	6	54.88	49	33.9	12	50.79	58	38.0	9
27	7.63	34	12.9	1	62.21	33	33.1	6	55.37	51	32.7	9	51.37	61	37.1	3
Okt. 7	7.97	34	13.0	6	62.54	34	32.5	8	55.88	52	31.8	6	51.98	62	36.8	4
17	8.31	35	13.6	12	62.88	33	31.7	8	56.40	52	31.2	3	52.60	62	37.2	10
27	8.66	33	14.8	17	63.21	33	30.9	8	56.92	52	30.9	0	53.22	59	38.2	17
Nov. 6	8.99	32	16.5	23	63.54	33	30.1	8	57.44	51	30.9	2	53.81	55	39.9	23
16	9.31	30	18.8	26	63.87	32	29.3	8	57.95	47	31.1	6	54.36	48	42.2	28
26	9.61	27	21.4	30	64.19	29	28.5	7	58.42	44	31.7	9	54.84	41	45.0	32
Dez. 6	9.88	22	24.4	32	64.48	26	27.8	6	58.86	39	32.6	12	55.25	31	48.2	36
16	10.10	18	27.6	34	64.74	22	27.2	4	59.25	32	33.8	15	55.56	20	51.8	37
26	10.28	12	31.0	33	64.96	17	26.8	3	59.57	25	35.3	17	55.76	9	55.5	38
36	10.40		34.3		65.13		26.5		59.82		37.0		55.85		59.3	
Mittl. Ort	6.28		33.1		59.31		29.8		51.33		40.6		52.69		59.5	
sec δ, tg δ	1.251		—0.752		1.080		+0.407		1.763		+1.452		2.647		—2.450	

1914	282) ι Geminorum.				284) Gr. 1308.				285) β Canis min.				286) ρ Geminorum.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	7h 20m		27° 58′		7h 21m		68° 38′		7h 22m		8° 27′		7h 23m		31° 57′	
Jan. 0	25.15	16	16.1	1	61.19	30	37.2	24	30.89	15	53.7	11	36.91	18	27.4	4
10	25.31	11	16.2	3	61.49	16	39.6	25	31.04	9	52.6	9	37.09	11	27.8	6
20	25.42	5	16.5	4	61.65	4	42.1	25	31.13	5	51.7	8	37.20	5	28.4	6
30	25.47	1	16.9	5	61.69	9	44.6	25	31.18	1	50.9	6	37.25	0	29.0	7
Febr. 9	25.46	5	17.4	6	61.60	20	47.1	22	31.17	5	50.3	4	37.25	5	29.7	8
19	25.41	10	18.0	5	61.40	31	49.3	20	31.12	9	49.9	3	37.20	11	30.5	7
März 1	25.31	14	18.5	5	61.09	39	51.3	16	31.03	12	49.6	2	37.09	14	31.2	7
11	25.17	16	19.0	5	60.70	45	52.9	12	30.91	15	49.4	0	36.95	16	31.9	5
21	25.01	18	19.5	3	60.25	49	54.1	7	30.76	15	49.4	0	36.79	18	32.4	4
31	24.83	18	19.8	2	59.76	49	54.8	2	30.61	16	49.4	2	36.61	19	32.8	3
April 10	24.65	17	20.0	2	59.27	48	55.0	2	30.45	15	49.6	2	36.42	18	33.1	1
20	24.48	15	20.2	1	58.79	46	54.8	7	30.30	14	49.8	3	36.24	15	33.2	0
30	24.33	12	20.1	1	58.33	39	54.1	12	30.16	11	50.1	4	36.09	13	33.2	3
Mai 10	24.21	9	20.0	2	57.94	31	52.9	16	30.05	9	50.5	4	35.96	10	32.9	3
20	24.12	5	19.8	4	57.63	23	51.3	19	29.96	4	50.9	5	35.86	6	32.6	5
30	24.07	1	19.4	4	57.40	14	49.4	22	29.92	2	51.4	5	35.80	2	32.1	6
Juni 9	24.06	3	19.0	4	57.26	4	47.2	24	29.90	2	51.9	6	35.78	3	31.5	6
19	24.09	7	18.6	5	57.22	6	44.8	26	29.92	6	52.5	6	35.81	7	30.9	7
29	24.16	11	18.1	5	57.28	16	42.2	26	29.98	10	53.1	6	35.88	11	30.2	7
Juli 9	24.27	16	17.6	6	57.44	28	39.6	29	30.08	13	53.7	7	35.99	16	29.5	9
19	24.43	18	17.0	5	57.72	35	36.7	26	30.21	16	54.4	6	36.15	19	28.6	8
29	24.61	21	16.5	6	58.07	43	34.1	24	30.37	20	55.0	5	36.34	22	27.8	8
Aug. 8	24.82	25	15.9	6	58.50	52	31.7	24	30.57	20	55.5	4	36.56	25	27.0	8
18	25.07	26	15.3	6	59.02	58	29.3	21	30.77	24	55.9	2	36.81	28	26.2	8
28	25.33	29	14.7	7	59.60	63	27.2	20	31.01	25	56.1	0	37.09	29	25.4	9
Sept. 7	25.62	31	14.0	7	60.23	69	25.2	16	31.26	27	56.1	1	37.38	32	24.5	8
17	25.93	33	13.3	8	60.92	73	23.6	14	31.53	29	56.0	4	37.70	34	23.7	8
27	26.26	34	12.5	7	61.65	76	22.2	10	31.82	30	55.6	5	38.04	35	22.9	9
Okt. 7	26.60	35	11.8	8	62.41	78	21.2	6	32.12	31	55.1	8	38.39	36	22.0	8
17	26.95	35	11.0	8	63.19	78	20.6	3	32.43	32	54.3	10	38.75	37	21.2	7
27	27.30	36	10.2	7	63.97	77	20.3	2	32.75	31	53.3	12	39.12	37	20.5	7
Nov. 6	27.66	34	9.5	7	64.74	75	20.5	6	33.06	31	52.1	12	39.49	36	19.8	5
16	28.00	33	8.8	5	65.49	71	21.1	10	33.37	30	50.9	14	39.85	34	19.3	5
26	28.33	31	8.3	5	66.20	64	22.1	13	33.67	27	49.5	14	40.19	33	18.8	2
Dez. 6	28.64	28	7.8	3	66.84	56	23.4	17	33.94	25	48.1	13	40.52	29	18.6	1
16	28.92	23	7.5	1	67.40	46	25.1	21	34.19	21	46.8	13	40.81	24	18.5	1
26	29.15	19	7.4	0	67.86	34	27.2	22	34.40	16	45.5	12	41.05	20	18.6	3
36	29.34		7.4		68.20		29.4		34.56		44.3		41.25		18.9	
Mittl. Ort	23.25		11.8		56.55		34.1		29.27		48.3		34.93		23.5	
sec δ, tg δ	1.132		+0.531		2.746		+2.558		1.011		+0.149		1.179		+0.624	

1914	287) α Geminor.[1] AR.	Δ	287) Dekl. +	Δ	289) 25 Monocerot. AR.	Δ	289) Dekl. −	Δ	291) α Canis min.[2] AR.	Δ	291) Dekl. +	Δ	292) 24 Lyncis. AR.	Δ	292) Dekl. +	Δ
	$7^h\,29^m$		$32°\,4'$		$7^h\,33^m$		$3°\,54'$		$7^h\,34^m$		$5°\,26'$		$7^h\,35^m$		$58°\,54'$	
Jan. 0	8.76 s	18	45.7 ″	3	1.72 s	13	59.6 ″	18	49.59 s	15	51.0 ″	13	47.57 s	26	47.8 ″	19
10	8.94	12	46.0	6	1.85	10	61.4	17	49.74	10	49.7	11	47.83	17	49.7	20
20	9.06	6	46.6	6	1.95	4	63.1	15	49.84	4	48.6	10	48.00	8	51.7	21
30	9.12	1	47.2	7	1.99	1	64.6	13	49.88	0	47.6	8	48.08	2	53.8	21
Febr. 9	9.13	5	47.9	8	1.98	5	65.9	11	49.88	5	46.8	7	48.06	10	55.9	20
19	9.08	10	48.7	8	1.93	9	67.0	8	49.83	8	46.1	4	47.96	18	57.9	18
März 1	8.98	13	49.5	7	1.84	12	67.8	6	49.75	12	45.7	2	47.78	24	59.7	15
11	8.85	17	50.2	5	1.72	15	68.4	4	49.63	14	45.5	2	47.54	30	61.2	12
21	8.68	18	50.7	5	1.57	16	68.8	2	49.49	16	45.3	0	47.24	32	62.4	8
31	8.50	18	51.2	3	1.41	16	69.0	0	49.33	16	45.3	1	46.92	33	63.2	5
April 10	8.32	18	51.5	1	1.25	16	69.0	2	49.17	15	45.4	3	46.59	32	63.7	0
20	8.14	17	51.6	0	1.09	14	68.8	5	49.02	14	45.7	3	46.27	31	63.7	4
30	7.97	13	51.6	2	0.95	12	68.3	6	48.88	11	46.0	4	45.96	26	63.3	8
Mai 10	7.84	10	51.4	4	0.83	10	67.7	7	48.77	9	46.4	4	45.70	21	62.5	12
20	7.74	7	51.0	4	0.73	6	67.0	9	48.68	6	46.8	6	45.49	16	61.3	15
30	7.67	2	50.6	6	0.67	3	66.1	11	48.62	2	47.4	6	45.33	10	59.8	18
Juni 9	7.65	2	50.0	7	0.64	0	65.0	11	48.60	1	48.0	7	45.23	2	58.0	19
19	7.67	6	49.3	7	0.64	4	63.9	12	48.61	5	48.7	7	45.21	5	56.1	21
29	7.73	10	48.6	8	0.68	7	62.7	13	48.66	8	49.4	8	45.26	11	54.0	22
Juli 9	7.83	16	47.8	8	0.75	12	61.4	14	48.74	13	50.2	8	45.37	20	51.8	25
19	7.99	18	47.0	9	0.87	14	60.0	13	48.87	14	51.0	6	45.57	25	49.3	23
29	8.17	21	46.1	8	1.01	17	58.7	11	49.01	17	51.6	6	45.82	30	47.0	21
Aug. 8	8.38	24	45.3	9	1.18	20	57.6	9	49.18	21	52.2	5	46.12	36	44.9	21
18	8.62	27	44.4	8	1.38	22	56.7	8	49.39	22	52.7	2	46.48	41	42.8	20
28	8.89	29	43.6	9	1.60	24	55.9	5	49.61	25	52.9	1	46.89	45	40.8	19
Sept. 7	9.18	32	42.7	9	1.84	26	55.4	2	49.86	26	53.0	1	47.34	48	38.9	17
17	9.50	33	41.8	9	2.10	28	55.2	1	50.12	28	52.9	3	47.82	52	37.2	14
27	9.83	35	40.9	9	2.38	29	55.3	4	50.40	29	52.6	6	48.34	54	35.8	12
Okt. 7	10.18	36	40.0	9	2.67	31	55.7	7	50.69	31	52.0	9	48.88	56	34.6	9
17	10.54	37	39.1	8	2.98	31	56.4	11	51.00	32	51.1	11	49.44	57	33.7	6
27	10.91	37	38.3	7	3.29	31	57.5	14	51.32	31	50.0	13	50.01	57	33.1	2
Nov. 6	11.28	36	37.6	6	3.60	30	58.9	16	51.63	31	48.7	15	50.58	56	32.9	1
16	11.64	35	37.0	5	3.90	30	60.5	18	51.94	29	47.2	15	51.14	53	33.0	4
26	11.99	32	36.5	4	4.20	27	62.3	20	52.23	28	45.7	16	51.67	50	33.4	8
Dez. 6	12.31	30	36.1	1	4.47	25	64.3	20	52.51	25	44.1	16	52.17	44	34.2	12
16	12.61	26	36.0	1	4.72	21	66.3	20	52.76	21	42.5	15	52.61	37	35.4	15
26	12.87	20	36.1	2	4.93	16	68.3	19	52.97	17	41.0	14	52.98	30	36.9	17
36	13.07		36.3		5.09		70.2		53.14		39.6		53.28		38.6	
Mittl. Ort	6.78		42.1		0.17		65.7		48.05		46.4		44.27		45.9	
sec δ, tg δ	1.180		+0.627		1.002		−0.068		1.005		+0.095		1.937		+1.659	

[1]) AR. der Mitte, Dekl. des folgenden helleren Sterns.
[2]) Ort des Hauptsterns. Die jährliche Parallaxe ist bereits angebracht.

1914	294) κ Geminorum. AR.		Dekl. +		295) β Geminorum. AR.		Dekl. +		296) π Geminorum. AR.		Dekl. +		297) ζ Volantis. AR.		Dekl. −	
	7h 39m		24° 36′		7h 40m		28° 13′		7h 41m		33° 37′		7h 42m		72° 23′	
Jan. 0	17.30	18	21.8	1	5.24	18	68.4	0	59.90	19	42.2	4	56.48	9	46.7	39
10	17.48	12	21.7	0	5.42	13	68.4	3	60.09	14	42.6	6	56.57	5	50.6	38
20	17.60	7	21.7	2	5.55	7	68.7	4	60.23	7	43.2	7	56.52	20	54.4	37
30	17.67	1	21.9	3	5.62	1	69.1	5	60.30	2	43.9	8	56.32	32	58.1	35
Febr. 9	17.68	3	22.2	4	5.63	4	69.6	6	60.32	4	44.7	9	56.00	44	61.6	31
19	17.65	8	22.6	4	5.59	8	70.2	6	60.28	9	45.6	9	55.56	54	64.7	28
März 1	17.57	13	23.0	5	5.51	13	70.8	6	60.19	13	46.5	8	55.02	63	67.5	24
11	17.44	14	23.5	4	5.38	15	71.4	6	60.06	16	47.3	7	54.39	69	69.9	19
21	17.30	17	23.9	4	5.23	17	72.0	4	59.90	18	48.0	5	53.70	74	71.8	14
31	17.13	17	24.3	3	5.06	18	72.4	4	59.72	19	48.5	4	52.96	76	73.2	9
April 10	16.96	16	24.6	2	4.88	17	72.8	2	59.53	18	48.9	2	52.20	76	74.1	3
20	16.80	15	24.8	1	4.71	16	73.0	1	59.35	16	49.1	0	51.44	74	74.4	2
30	16.65	13	24.9	1	4.55	13	73.1	1	59.19	15	49.1	2	50.70	70	74.2	7
Mai 10	16.52	9	25.0	1	4.42	10	73.0	2	59.04	11	48.9	3	50.00	65	73.5	12
20	16.43	6	24.9	1	4.32	7	72.8	3	58.93	7	48.6	5	49.35	58	72.3	17
30	16.37	3	24.8	2	4.25	3	72.5	3	58.86	4	48.1	6	48.77	50	70.6	21
Juni 9	16.34	1	24.6	3	4.22	1	72.2	5	58.82	1	47.5	7	48.27	40	68.5	25
19	16.35	5	24.3	3	4.23	5	71.7	5	58.83	5	46.8	8	47.87	30	66.0	28
29	16.40	9	24.0	4	4.28	9	71.2	6	58.88	9	46.0	9	47.57	19	63.2	30
Juli 9	16.49	14	23.6	4	4.37	13	70.6	6	58.97	14	45.1	10	47.38	7	60.2	35
19	16.63	15	23.2	4	4.50	17	70.0	7	59.11	18	44.1	10	47.31	7	56.7	32
29	16.78	19	22.8	5	4.67	19	69.3	7	59.29	20	43.1	10	47.38	18	53.5	31
Aug. 8	16.97	22	22.3	5	4.86	22	68.6	7	59.49	23	42.1	10	47.56	30	50.4	30
18	17.19	25	21.8	6	5.08	25	67.9	8	59.72	26	41.1	10	47.86	42	47.4	26
28	17.44	27	21.2	7	5.33	28	67.1	8	59.98	29	40.1	11	48.28	51	44.8	23
Sept. 7	17.71	29	20.5	7	5.61	30	66.3	9	60.27	32	39.0	10	48.79	61	42.5	18
17	18.00	31	19.8	9	5.91	31	65.4	9	60.59	33	38.0	10	49.40	67	40.7	13
27	18.31	32	18.9	9	6.22	33	64.5	9	60.92	35	37.0	11	50.07	73	39.4	6
Okt. 7	18.63	34	18.0	9	6.55	35	63.6	10	61.27	36	35.9	10	50.80	76	38.8	0
17	18.97	34	17.1	10	6.90	35	62.6	9	61.63	38	34.9	9	51.56	77	38.8	7
27	19.31	35	16.1	9	7.25	36	61.7	9	62.01	37	34.0	8	52.33	75	39.5	13
Nov. 6	19.66	34	15.2	9	7.61	35	60.8	8	62.38	38	33.2	7	53.08	70	40.8	20
16	20.00	34	14.3	9	7.96	34	60.0	8	62.76	36	32.5	5	53.78	63	42.8	25
26	20.34	31	13.4	8	8.30	33	59.2	6	63.12	34	32.0	4	54.41	54	45.3	30
Dez. 6	20.65	29	12.6	6	8.63	29	58.6	4	63.46	31	31.6	1	54.95	43	48.3	34
16	20.94	24	12.0	4	8.92	25	58.2	2	63.77	26	31.5	0	55.38	30	51.7	36
26	21.18	20	11.6	2	9.17	21	58.0	1	64.03	22	31.5	3	55.68	17	55.3	39
36	21.38		11.4		9.38		57.9		64.25		31.8		55.85		59.2	
Mittl. Ort	15.48		18.4		3.34		65.3		57.88		39.6		53.00		58.9	
sec δ, tg δ	1.100		+0.458		1.135		+0.537		1.201		+0.665		3.307		−3.152	

1914	300) Gr. 1374.				303) χ Argus.				305) χ Geminorum.				306) ζ Argus.			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −	
	7h 49m		74° 8′		7h 54m		52° 44′		7h 58m		28° 2′		8h 0m		39° 45′	
Jan. 0	61.66		57.6		37.45		52.8		16.21		12.7		35.21		27.2	
10	62.11	45	60.1	25	37.59	14	56.6	38	16.42	21	12.6	1	35.37	16	30.7	35
20	62.39	28	62.8	27	37.65	6	60.3	37	16.56	14	12.8	2	35.46	9	34.1	34
30	62.51	12	65.6	28	37.64	1	63.9	36	16.65	9	13.2	4	35.49	3	37.3	32
Febr. 9	62.46	5	68.3	27	37.55	9	67.3	34	16.69	4	13.7	5	35.46	3	40.4	31
19	62.24	22	70.8	25	37.40	15	70.3	30	16.67	2	14.3	6	35.37	9	43.1	27
März 1	61.88	36	73.1	23	37.19	21	73.0	27	16.60	7	15.0	7	35.23	14	45.5	24
11	61.40	48	75.1	20	36.93	26	75.3	23	16.49	11	15.6	6	35.06	17	47.5	20
21	60.83	57	76.7	16	36.64	29	77.1	18	16.35	14	16.2	6	34.85	21	49.1	16
31	60.19	64	77.8	11	36.32	32	78.3	12	16.19	16	16.8	6	34.62	23	50.2	11
April 10	59.51	68	78.4	6	35.99	33	79.2	9	16.02	17	17.2	4	34.38	24	50.9	7
20	58.84	67	78.4	0	35.66	33	79.5	3	15.85	17	17.5	3	34.14	24	51.1	2
30	58.19	65	77.9	5	35.34	32	79.2	3	15.69	16	17.7	2	33.91	23	50.9	2
Mai 10	57.60	59	76.9	10	35.03	31	78.5	7	15.55	14	17.7	0	33.70	21	50.2	7
20	57.09	51	75.4	15	34.76	27	77.4	11	15.44	11	17.6	1	33.51	19	49.1	11
30	56.68	41	73.6	18	34.53	23	75.7	17	15.36	8	17.4	2	33.35	16	47.6	15
Juni 9	56.38	30	71.4	22	34.34	19	73.7	20	15.32	4	17.1	3	33.23	12	45.7	19
19	56.21	17	68.9	25	34.19	15	71.3	24	15.31	1	16.6	5	33.15	8	43.6	21
29	56.16	5	66.2	27	34.10	9	68.7	26	15.35	4	16.1	5	33.10	5	41.2	24
Juli 9	56.25	9	63.3	29	34.06	4	65.8	29	15.42	7	15.6	5	33.10	0	38.6	26
19	[18] 56.48	23	60.1	32	[19] 34.07	1	62.8	30	[20] 15.52	10	14.9	7	[21] 33.14	4	35.9	27
29	56.82	34	57.2	29	34.15	8	59.5	33	15.68	16	14.2	7	33.23	9	32.9	30
Aug. 8	57.28	46	54.3	29	34.29	14	56.5	30	15.86	18	13.4	8	33.35	12	30.3	26
18	57.85	57	51.5	28	34.47	18	53.7	28	16.06	20	12.6	8	33.51	16	27.8	25
28	58.52	67	48.9	26	34.71	24	51.2	25	16.29	23	11.7	9	33.72	21	25.6	22
Sept. 7	59.28	76	46.6	23	35.00	29	49.1	21	16.55	26	10.8	9	33.96	24	23.8	18
17	60.11	83	44.5	21	35.33	33	47.5	16	16.84	29	9.8	10	34.24	28	22.4	14
27	61.02	91	42.7	18	35.70	37	46.3	12	17.14	30	8.7	11	34.54	30	21.5	9
Okt. 7	61.97	95	41.2	15	36.10	40	45.8	5	17.47	33	7.7	10	34.87	33	21.1	4
17	62.96	99	40.2	10	36.52	42	45.9	1	17.81	34	6.5	12	35.22	35	21.4	3
27	63.98	102	39.6	6	36.95	43	46.6	7	18.17	36	5.4	11	35.58	36	22.2	8
Nov. 6	64.99	101	39.4	2	37.38	43	48.0	14	18.52	35	4.4	10	35.94	36	23.6	14
16	65.98	99	39.6	2	37.80	42	50.0	20	18.88	36	3.4	10	36.30	36	25.6	20
26	66.92	94	40.4	8	38.19	39	52.5	25	19.23	35	2.5	9	36.64	34	28.0	24
Dez. 6	67.80	88	41.6	12	38.54	35	55.5	30	19.57	34	1.8	7	36.95	31	30.8	28
16	68.59	79	43.2	16	38.84	30	58.9	34	19.88	31	1.2	6	37.23	28	34.0	32
26	69.25	66	45.2	20	39.08	24	62.4	35	20.15	27	0.9	3	37.47	24	37.4	34
36	69.77	52	47.6	24	39.26	18	66.2	38	20.37	22	0.7	2	37.65	18	40.9	35
Mittl. Ort	55.47		57.5		35.57		64.2		14.34		10.7		33.64		37.3	
sec δ, tg δ	3.662		+3.522		1.652		−1.315		1.133		+0.533		1.301		−0.832	

1914	307) 27 Lyncis. AR.		Dekl. +		308) ι Navis. AR.		Dekl. —		309) γ Argus. AR.		Dekl. —		310) Br. 1147. AR.		Dekl. +	
	8h 1m		51° 45′		8h 3m		24° 3′		8h 6m		47° 4′		8h 8m		76° 0′	
Jan. 0	62.43	27	19.8	14	54.30	16	12.6	30	54.56	16	46.6	36	53.09	56	74.1	24
10	62.70	19	21.2	16	54.46	12	15.6	28	54.72	9	50.2	36	53.65	38	76.5	27
20	62.89	12	22.8	17	54.58	6	18.4	26	54.81	3 —	53.8	35	54.03	19	79.2	28
30	63.01	3 —	24.5	18	54.64	0	21.0	24	54.84	5	57.3	33	54.22	0	82.0	28
Febr. 9	63.04	4	26.3	18	54.64	4	23.4	22	54.79	10	60.6	30	54.22	18	84.8	27
19	63.00	11	28.1	17	54.60	8	25.6	19	54.69	16	63.6	27	54.04	36	87.5	25
März 1	62.89	16	29.8	16	54.52	13	27.5	15	54.53	21	66.3	23	53.68	50	90.0	22
11	62.73	22	31.4	13	54.39	16	29.0	11	54.32	24	68.6	18	53.18	62	92.2	18
21	62.51	24	32.7	10	54.23	17	30.1	8	54.08	26	70.4	13	52.56	70	94.0	13
31	62.27	26	33.7	7	54.06	18	30.9	4	53.82	28	71.7	9	51.86	76	95.3	8
April 10	62.01	27	34.4	3 —	53.88	19	31.3	1 —	53.54	28	72.6	4 —	51.10	77	96.1	3 —
20	61.74	25	34.7	1	53.69	18	31.4	3	53.26	28	73.0	1	50.33	76	96.4	3
30	61.49	22	34.6	4	53.51	16	31.1	7	52.98	25	72.9	6	49.57	70	96.1	8
Mai 10	61.27	19	34.2	7	53.35	14	30.4	9	52.73	23	72.3	11	48.87	63	95.3	13
20	61.08	14	33.5	11	53.21	12	29.5	13	52.50	20	71.2	14	48.24	53	94.0	18
30	60.94	9	32.4	13	53.09	8	28.2	15	52.30	17	69.8	19	47.71	41	92.2	21
Juni 9	60.85	4 —	31.1	15	53.01	4	26.7	18	52.13	12	67.9	22	47.30	28	90.1	24
19	60.81	1	29.6	17	52.97	2 —	24.9	19	52.01	8	65.7	25	47.02	14	87.7	27
29	60.82	7	27.9	19	52.95	3	23.0	21	51.93	3 —	63.2	27	46.88	0	85.0	29
Juli 9	60.89	12	26.0	20	52.98	6	20.9	21	51.90	2	60.5	28	46.88	15	82.1	30
19	61.01	19	24.0	22	53.04	11	18.8	24	51.92	7	57.7	32	47.03	33	79.1	34
29	61.20	23	21.8	20	53.15	13	16.4	20	51.99	11	54.5	28	47.36	43	75.7	31
Aug. 8	61.43	27	19.8	20	53.28	17	14.4	18	52.10	17	51.7	27	47.79	56	72.6	29
18	61.70	31	17.8	20	53.45	19	12.6	17	52.27	21	49.0	24	48.35	68	69.7	29
28	62.01	35	15.8	19	53.64	23	10.9	13	52.48	26	46.6	21	49.03	79	66.8	26
Sept. 7	62.36	39	13.9	18	53.87	25	9.6	9	52.74	29	44.5	16	49.82	89	64.2	24
17	62.75	41	12.1	16	54.12	27	8.7	6	53.03	33	42.9	11	50.71	97	61.8	20
27	63.16	45	10.5	15	54.39	29	8.1	0	53.36	36	41.8	6 —	51.68	104	59.8	17
Okt. 7	63.61	47	9.0	13	54.68	31	8.1	5	53.72	38	41.2	1	52.72	109	58.1	14
17	64.08	48	7.7	10	54.99	31	8.6	9	54.10	39	41.3	7	53.81	112	56.7	9
27	64.56	49	6.7	8	55.30	33	9.5	15	54.49	40	42.0	13	54.93	114	55.8	5
Nov. 6	65.05	49	5.9	4	55.63	31	11.0	19	54.89	39	43.3	19	56.07	112	55.3	0
16	65.54	47	5.5	1 —	55.94	31	12.9	22	55.28	37	45.2	24	57.19	108	55.3	6
26	66.01	44	5.4	2	56.25	29	15.1	26	55.65	34	47.6	29	58.27	102	55.9	10
Dez. 6	66.45	41	5.6	6	56.54	27	17.7	28	55.99	30	50.5	32	59.29	92	56.9	15
16	66.86	36	6.2	9	56.81	23	20.5	29	56.29	25	53.7	35	60.21	79	58.4	19
26	67.22	30	7.1	12	57.04	18	23.4	29	56.54	19	57.2	37	61.00	64	60.3	23
36	67.52		8.3		57.22		26.3		56.73		60.9		61.64		62.6	
Mittl. Ort	59.68		20.1		52.87		20.9		52.90		57.8		46.12		75.9	
sec δ, tg δ	1.616		+1.269		1.095		−0.446		1.469		−1.075		4.140		+4.018	

1914	311) 20 Navis. AR.		311) Dekl. −		312) β Cancri. AR.		312) Dekl. +		314) 31 Lyncis. AR.		314) Dekl. +		315) ε Argus. AR.		315) Dekl. −	
	$8^h\ 9^m$		15° 31′		$8^h\ 11^m$		9° 26′		$8^h\ 16^m$		43° 27′		$8^h\ 20^m$		59° 13′	
Jan. 0	24.24	16	35.5	26	52.72	20	68.2	12	59.50	25	52.5	8	46.98	19	43.4	39
10	24.40	12	38.1	24	52.92	14	67.0	10	59.75	19	53.3	11	47.17	10	47.3	38
20	24.52	8	40.5	23	53.06	9	66.0	9	59.94	13	54.4	12	47.27	1	51.1	38
30	24.60	2	42.8	20	53.15	4	65.1	6	60.07	6	55.6	14	47.28	7	54.9	36
Febr. 9	24.62	3	44.8	18	53.19	1	64.5	4	60.13	1	57.0	14	47.21	15	58.5	34
19	24.59	7	46.6	15	53.18	5	64.1	3	60.12	7	58.4	14	47.06	22	61.9	31
März 1	24.52	11	48.1	12	53.13	9	63.8	1	60.05	12	59.8	14	46.84	28	65.0	26
11	24.41	14	49.3	9	53.04	12	63.7	0	59.93	17	61.2	12	46.56	33	67.6	23
21	24.27	15	50.2	6	52.92	14	63.7	1	59.76	19	62.4	10	46.23	37	69.9	17
31	24.12	17	50.8	3	52.78	15	63.8	2	59.57	21	63.4	7	45.86	39	71.6	13
April 10	23.95	16	51.1	0	52.63	14	64.0	2	59.36	21	64.1	5	45.47	39	72.9	7
20	23.79	16	51.1	3	52.49	14	64.2	4	59.15	21	64.6	1	45.08	39	73.6	3
30	23.63	14	50.8	6	52.35	13	64.6	3	58.94	19	64.7	1	44.69	38	73.9	3
Mai 10	23.49	12	50.2	8	52.22	10	64.9	4	58.75	16	64.6	4	44.31	36	73.6	9
20	23.37	10	49.4	11	52.12	8	65.3	4	58.59	12	64.2	6	43.95	32	72.7	13
30	23.27	6	48.3	13	52.04	5	65.7	5	58.47	8	63.6	9	43.63	27	71.4	17
Juni 9	23.21	4	47.0	14	51.99	1	66.2	4	58.39	4	62.7	12	43.36	23	69.7	21
19	23.17	0	45.6	16	51.98	1	66.6	5	58.35	0	61.5	12	43.13	17	67.6	25
29	23.17	3	44.0	17	51.99	5	67.1	4	58.35	6	60.3	15	42.96	12	65.1	28
Juli 9	23.20	6	42.3	18	52.04	8	67.5	5	58.41	9	58.8	15	42.84	4	62.3	29
19	23.26	11	40.5	19	52.12	12	68.0	3	58.50	16	57.3	18	42.80	2	59.4	34
29	[23] 23.37	13	38.6	16	[24] 52.24	14	68.3	3	[25] 58.66	18	55.5	17	[26] 42.82	9	56.0	31
Aug. 8	23.50	15	37.0	14	52.38	17	68.6	2	58.84	21	53.8	17	42.91	16	52.9	29
18	23.65	19	35.6	13	52.55	20	68.8	0	59.05	26	52.1	17	43.07	22	50.0	27
28	23.84	21	34.3	10	52.75	22	68.8	2	59.31	29	50.4	18	43.29	29	47.3	23
Sept. 7	24.05	24	33.3	6	52.97	25	68.6	3	59.60	32	48.6	17	43.58	34	45.0	21
17	24.29	26	32.7	3	53.22	26	68.3	6	59.92	35	46.9	16	43.92	40	42.9	15
27	24.55	28	32.4	1	53.48	29	67.7	8	60.27	38	45.3	15	44.32	44	41.4	9
Okt. 7	24.83	30	32.5	6	53.77	30	66.9	10	60.65	40	43.8	14	44.76	48	40.5	3
17	25.13	31	33.1	11	54.07	32	65.9	12	61.05	41	42.4	13	45.24	49	40.2	4
27	25.44	32	34.2	14	54.39	32	64.7	13	61.46	43	41.1	11	45.73	50	40.6	10
Nov. 6	25.76	32	35.6	18	54.71	33	63.4	14	61.89	43	40.0	8	46.23	49	41.6	17
16	26.08	31	37.4	21	55.04	32	62.0	16	62.32	42	39.2	5	46.72	46	43.3	23
26	26.39	30	39.5	23	55.36	30	60.4	16	62.74	40	38.7	3	47.18	43	45.6	27
Dez. 6	26.69	26	41.8	25	55.66	29	58.8	15	63.14	37	38.4	0	47.61	37	48.3	32
16	26.95	24	44.3	26	55.95	25	57.3	14	63.51	34	38.4	4	47.98	31	51.5	36
26	27.19	19	46.9	26	56.20	21	55.9	13	63.85	28	38.8	6	48.29	23	55.1	38
36	27.38		49.5		56.41		54.6		64.13		39.4		48.52		58.9	
Mittl. Ort	22.82		42.6		51.17		64.7		57.19		53.4		45.04		56.5	
sec δ, tg δ	1.038		−0.278		1.014		+0.166		1.378		+0.948		1.955		−1.680	

1914	316) Br. 1197. AR.		316) Dekl. −		317) o Ursae maj. AR.		317) Dekl. +		318) ϑ Chamael. AR.		318) Dekl. −		320) Gr. 1450. AR.		320) Dekl. +	
	8h 21m		3° 37′		8h 23m		61° 0′		8h 23m		77° 12′		8h 27m		38° 18′	
	s		″		s		″		s		″		s		″	
Jan. 0	23.27	20	25.5	20	11.30	35	21.4	17	18.24	27	12.0	38	21.90	26	42.6	5
10	23.47	14	27.5	18	11.65	27	23.1	20	18.51	7	15.8	38	22.16	19	43.1	7
20	23.61	9	29.3	16	11.92	16	25.1	22	18.58	13	19.6	39	22.35	13	43.8	9
30	23.70	4	30.9	15	12.08	6	27.3	22	18.45	29	23.5	37	22.48	7	44.7	11
Febr. 9	23.74	1	32.4	12	12.14	2	29.5	23	18.16	47	27.2	35	22.55	1	45.8	12
19	23.73	5	33.6	10	12.12	12	31.8	21	17.69	62	30.7	33	22.56	5	47.0	12
März 1	23.68	8	34.6	7	12.00	20	33.9	20	17.07	75	34.0	29	22.51	10	48.2	12
11	23.60	12	35.3	5	11.80	27	35.9	17	16.32	85	36.9	25	22.41	14	49.4	11
21	23.48	14	35.8	3	11.53	31	37.6	13	15.47	94	39.4	20	22.27	17	50.5	9
31	23.34	14	36.1	1	11.22	34	38.9	9	14.53	99	41.4	16	22.10	19	51.4	8
April 10	23.20	15	36.2	2	10.88	35	39.8	5	13.54	102	43.0	10	21.91	19	52.2	5
20	23.05	15	36.0	3	10.53	34	40.3	1	12.52	104	44.0	5	21.72	19	52.7	3
30	22.90	13	35.7	4	10.19	31	40.4	4	11.48	100	44.5	0	21.53	17	53.0	0
Mai 10	22.77	11	35.3	6	9.88	29	40.0	7	10.48	96	44.5	6	21.36	14	53.0	2
20	22.66	8	34.7	8	9.59	23	39.3	12	9.52	90	43.9	10	21.22	12	52.8	4
30	22.58	6	33.9	9	9.36	17	38.1	16	8.62	81	42.9	16	21.10	8	52.4	7
Juni 9	22.52	3	33.0	10	9.19	12	36.5	18	7.81	71	41.3	20	21.02	4	51.7	8
19	22.49	0	32.0	10	9.07	4	34.7	21	7.10	58	39.3	23	20.98	0	50.9	10
29	22.49	3	31.0	11	9.03	2	32.6	22	6.52	44	37.0	27	20.98	4	49.9	12
Juli 9	22.52	6	29.9	11	9.05	9	30.4	24	6.08	29	34.3	29	21.02	8	48.7	12
19	22.58	10	28.8	12	9.14	17	28.0	28	5.79	13	31.4	35	21.10	13	47.5	16
29	[26] 22.68	13	27.6	10	[26] 9.31	23	25.2	26	[26] 5.66	5	27.9	31	[27] 21.23	16	45.9	14
Aug. 8	22.81	15	26.6	9	9.54	29	22.6	25	5.71	23	24.8	30	21.39	19	44.5	15
18	22.96	18	25.7	6	9.83	34	20.1	25	5.94	39	21.8	29	21.58	22	43.0	16
28	23.14	20	25.1	4	10.17	40	17.6	24	6.33	54	18.9	26	21.80	26	41.4	16
Sept. 7	23.34	23	24.7	2	10.57	44	15.2	23	6.87	69	16.3	23	22.06	29	39.8	16
17	23.57	26	24.5	1	11.01	49	12.9	21	7.56	81	14.0	17	22.35	32	38.2	16
27	23.83	27	24.6	5	11.50	53	10.8	18	8.37	92	12.3	12	22.67	35	36.6	15
Okt. 7	24.10	29	25.1	8	12.03	57	9.0	16	9.29	98	11.1	5	23.02	36	35.1	15
17	24.39	31	25.9	11	12.60	59	7.4	13	10.27	103	10.6	0	23.38	39	33.6	14
27	24.70	32	27.0	14	13.19	60	6.1	9	11.30	102	10.6	8	23.77	39	32.2	12
Nov. 6	25.02	32	28.4	17	13.79	60	5.2	5	12.32	100	11.4	14	24.16	41	31.0	11
16	25.34	31	30.1	19	14.39	60	4.7	1	13.32	92	12.8	20	24.57	39	29.9	8
26	25.65	30	32.0	20	14.99	56	4.6	3	14.24	83	14.8	26	24.96	39	29.1	6
Dez. 6	25.95	28	34.0	20	15.55	53	4.9	7	15.07	69	17.4	30	25.35	36	28.5	3
16	26.23	25	36.0	21	16.08	46	5.6	12	15.76	54	20.4	35	25.71	32	28.2	0
26	26.48	21	38.1	21	16.54	39	6.8	15	16.30	36	23.9	37	26.03	28	28.2	3
36	26.69		40.2		16.93		8.3		16.66		27.6		26.31		28.5	
Mittl. Ort	21.85		30.7		7.81		24.2		14.33		26.6		19.80		43.8	
sec δ, tg δ	1.002		−0.063		2.063		+1.805		4.517		−4.405		1.274		+0.790	

1914	321) η Cancri. AR.	Δ	321) η Cancri. Dekl. +	Δ	326) δ Cancri. AR.	Δ	326) δ Cancri. Dekl. +	Δ	327) α Pyxidis. AR.	Δ	327) α Pyxidis. Dekl. −	Δ	328) ι Cancri. AR.	Δ	328) ι Cancri. Dekl. +	Δ
	8h 27m		20° 43′		8h 39m		18° 28′		8h 40m		32° 52′		8h 41m		29° 4′	
	s		″		s		″		s		″		s		″	
Jan. 0	45.96	22	63.8	7	49.62	22	16.6	8	9.50	19	23.0	32	31.60	24	29.8	2
10	46.18	17	63.1	4	49.84	18	15.8	5	9.69	15	26.2	33	31.84	20	29.6	1
20	46.35	11	62.7	1	50.02	13	15.3	3	9.84	9	29.5	31	32.04	14	29.7	3
30	46.46	7	62.6	0	50.15	7	15.0	1	9.93	3	32.6	30	32.18	8	30.0	5
Febr. 9	46.53	1	62.6	2	50.22	3	14.9	0	9.96	2	35.6	28	32.26	3	30.5	7
19	46.54	4	62.8	3	50.25	3	14.9	2	9.94	8	38.4	24	32.29	3	31.2	8
März 1	46.50	8	63.1	4	50.22	7	15.1	3	9.86	11	40.8	21	32.26	8	32.0	8
11	46.42	12	63.5	5	50.15	11	15.4	4	9.75	15	42.9	17	32.18	11	32.8	8
21	46.30	13	64.0	5	50.04	12	15.8	4	9.60	17	44.6	13	32.07	14	33.6	8
31	46.17	15	64.5	4	49.92	14	16.2	5	9.43	19	45.9	9	31.93	16	34.4	7
April 10	46.02	16	64.9	4	49.78	15	16.7	4	9.24	20	46.8	5	31.77	16	35.1	6
20	45.86	15	65.3	4	49.63	15	17.1	4	9.04	20	47.3	0	31.61	16	35.7	4
30	45.71	13	65.7	2	49.48	13	17.5	3	8.84	18	47.3	3	31.45	15	36.1	2
Mai 10	45.58	11	65.9	2	49.35	12	17.8	2	8.66	17	47.0	7	31.30	13	36.3	1
20	45.47	9	66.1	1	49.23	9	18.0	2	8.49	15	46.3	11	31.17	11	36.4	1
30	45.38	6	66.2	0	49.14	6	18.2	2	8.34	12	45.2	14	31.06	7	36.3	2
Juni 9	45.32	3	66.2	0	49.08	4	18.4	0	8.22	9	43.8	17	30.99	4	36.1	4
19	45.29	1	66.2	1	49.04	0	18.4	0	8.13	6	42.1	19	30.95	1	35.7	5
29	45.30	4	66.1	2	49.04	2	18.4	1	8.07	2	40.2	22	30.94	3	35.2	6
Juli 9	45.34	7	65.9	3	49.06	6	18.3	1	8.05	1	38.0	23	30.97	6	34.6	8
19	45.41	11	65.6	3	49.12	9	18.2	3	8.06	5	35.7	23	31.03	9	33.8	9
29	[28] 45.52	14	65.3	4	49.21	13	17.9	3	8.11	9	33.4	26	31.12	14	32.9	10
Aug. 8	45.66	17	64.9	6	[31] 49.34	15	17.6	5	[31] 8.20	12	30.8	23	[31] 31.26	16	31.9	11
18	45.83	19	64.3	6	49.49	18	17.1	6	8.32	16	28.5	20	31.42	19	30.8	12
28	46.02	22	63.7	8	49.67	21	16.5	7	8.48	19	26.5	17	31.61	22	29.6	12
Sept. 7	46.24	25	62.9	9	49.88	23	15.8	9	8.67	23	24.8	14	31.83	26	28.4	14
17	46.49	27	62.0	9	50.11	26	14.9	10	8.90	27	23.4	10	32.09	27	27.0	14
27	46.76	29	61.1	12	50.37	29	13.9	12	9.17	29	22.4	4	32.36	31	25.6	14
Okt. 7	47.05	32	59.9	12	50.66	30	12.7	12	9.46	32	22.0	1	32.67	32	24.2	15
17	47.37	33	58.7	13	50.96	32	11.5	14	9.78	33	22.1	6	32.99	35	22.7	15
27	47.70	34	57.4	14	51.28	34	10.1	15	10.11	35	22.7	12	33.34	36	21.2	14
Nov. 6	48.04	35	56.0	14	51.62	34	8.6	15	10.46	35	23.9	17	33.70	37	19.8	14
16	48.39	34	54.6	13	51.96	35	7.1	14	10.81	35	25.6	22	34.07	37	18.4	12
26	48.73	33	53.3	13	52.31	33	5.7	14	11.16	33	27.8	25	34.44	36	17.2	10
Dez. 6	49.06	31	52.0	11	52.64	31	4.3	13	11.49	30	30.3	29	34.80	34	16.2	8
16	49.37	28	50.9	9	52.95	29	3.0	11	11.79	27	33.2	31	35.14	31	15.4	6
26	49.65	24	50.0	8	53.24	24	1.9	10	12.06	23	36.3	33	35.45	26	14.8	4
36	49.89		49.2		53.48		0.9		12.29		39.6		35.71		14.4	
Mittl. Ort	44.28		62.6		48.01		15.8		8.16		33.0		29.79		30.7	
sec δ, tg δ	1.069		+0.379		1.054		+0.334		1.191		−0.646		1.144		+0.556	

1914	330) δ Argus.				334) ζ Hydrae.				336) c Carinae.				335) ι Ursae maj.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +	
	8h 42m		54° 23′		8h 50m		6° 16′		8h 53m		60° 18′		8h 53m		48° 22′	
	s		″		s		″		s		″		s		″	
Jan. 0	21.35	22	22.0	38	52.37	23	27.1	15	7.68	26	41.7	38	22.02	32	43.7	9
10	21.57	14	25.8	38	52.60	17	25.6	14	7.94	16	45.5	39	22.34	25	44.6	11
20	21.71	7	29.6	37	52.77	13	24.2	11	8.10	8	49.4	38	22.59	19	45.7	14
30	21.78	1	33.3	37	52.90	8	23.1	9	8.18	0	53.2	38	22.78	11	47.1	16
Febr. 9	21.77	8	37.0	34	52.98	2	22.2	7	8.18	10	57.0	36	22.89	3	48.7	18
19	21.69	15	40.4	32	53.00	1	21.5	5	8.08	17	60.6	34	22.92	4	50.5	17
März 1	21.54	20	43.6	28	52.99	6	21.0	3	7.91	23	64.0	30	22.88	9	52.2	17
11	21.34	26	46.4	23	52.93	10	20.7	1	7.68	30	67.0	26	22.79	15	53.9	16
21	21.08	29	48.7	19	52.83	11	20.6	0	7.38	33	69.6	22	22.64	19	55.5	14
31	20.79	31	50.6	15	52.72	14	20.6	2	7.05	37	71.8	17	22.45	22	56.9	11
April 10	20.48	32	52.1	9	52.58	14	20.8	2	6.68	39	73.5	12	22.23	23	58.0	8
20	20.16	33	53.0	5	52.44	13	21.0	3	6.29	39	74.7	6	22.00	23	58.8	5
30	19.83	31	53.5	1	52.31	13	21.3	4	5.90	39	75.3	2	21.77	22	59.3	1
Mai 10	19.52	30	53.4	6	52.18	11	21.7	5	5.51	37	75.5	3	21.55	20	59.4	2
20	19.22	28	52.8	10	52.07	10	22.2	5	5.14	35	75.2	9	21.35	17	59.2	6
30	18.94	24	51.8	15	51.97	7	22.7	5	4.79	31	74.3	14	21.18	13	58.6	8
Juni 9	18.70	20	50.3	19	51.90	4	23.2	5	4.48	27	72.9	18	21.05	9	57.8	12
19	18.50	15	48.4	23	51.86	1	23.7	6	4.21	22	71.1	21	20.96	5	56.6	14
29	18.35	11	46.1	25	51.85	1	24.3	6	3.99	17	69.0	26	20.91	0	55.2	16
Juli 9	18.24	6	43.6	28	51.86	4	24.9	5	3.82	11	66.4	27	20.91	4	53.6	18
19	18.18	0	40.8	29	51.90	7	25.4	4	3.71	4	63.7	30	20.95	9	51.8	20
29	18.18	6	37.9	33	51.97	12	25.8	4	3.67	3	60.7	33	21.04	15	49.8	23
Aug. 8	18.24	12	34.6	28	52.09	13	26.2	2	3.70	11	57.4	30	21.19	17	47.5	21
18	18.36	18	31.8	27	52.22	16	26.4	1	3.81	17	54.4	28	21.36	23	45.4	22
28	18.54	24	29.1	24	52.38	18	26.5	1	3.98	24	51.6	26	21.59	26	43.2	22
Sept. 7	18.78	29	26.7	21	52.56	21	26.4	4	4.22	31	49.0	22	21.85	30	41.0	21
17	19.07	34	24.6	15	52.77	24	26.0	5	4.53	37	46.8	18	22.15	34	38.9	22
27	19.41	38	23.1	10	53.01	26	25.5	8	4.90	43	45.0	12	22.49	38	36.7	20
Okt. 7	19.79	42	22.1	5	53.27	29	24.7	11	5.33	47	43.8	7	22.87	40	34.7	19
17	20.21	44	21.6	2	53.56	31	23.6	13	5.80	50	43.1	0	23.27	43	32.8	17
27	20.65	45	21.8	9	53.87	32	22.3	15	6.30	52	43.1	6	23.70	45	31.1	15
Nov. 6	21.10	46	22.7	15	54.19	32	20.8	16	6.82	52	43.7	13	24.15	46	29.6	11
16	21.56	44	24.2	21	54.51	33	19.2	17	7.34	50	45.0	19	24.61	46	28.5	9
26	22.00	41	26.3	26	54.84	32	17.5	18	7.84	48	46.9	25	25.07	45	27.6	5
Dez. 6	22.41	38	28.9	31	55.16	30	15.7	18	8.32	43	49.4	30	25.52	43	27.1	1
16	22.79	32	32.0	34	55.46	28	13.9	18	8.75	36	52.4	34	25.95	39	27.0	2
26	23.11	25	35.4	37	55.74	24	12.1	16	9.11	30	55.8	36	26.34	34	27.2	6
36	23.36		39.1		55.98		10.5		9.41		59.4		26.68		27.8	
Mittl. Ort	19.74		35.3		50.95		24.5		6.98		56.1		19.58		48.2	
sec δ, tg δ	1.718		−1.397		1.006		+0.110		2.020		−1.755		1.506		+1.126	

1914	337) α Cancri. AR.		Dekl. +		339) 10 Ursae maj. AR.		Dekl. +		341) κ Ursae maj. AR.		Dekl. +		343) α Volantis. AR.		Dekl. −	
	$8^h 53^m$		12° 11′		$8^h 55^m$		42° 7′		$8^h 57^m$		47° 29′		$9^h 1^m$		66° 2′	
Jan. 0	48.62	23	29.8	12	5.94	30	22.5	4	48.03	32	45.9	7	7.40	30	54.3	37
10	48.85	19	28.6	9	6.24	23	22.9	8	48.35	26	46.6	11	7.70	19	58.0	39
20	49.04	14	27.7	8	6.47	17	23.7	11	48.61	18	47.7	14	7.89	9	61.9	40
30	49.18	8	26.9	6	6.64	11	24.8	13	48.79	12	49.1	15	7.98	2	65.9	38
Febr. 9	49.26	3	26.3	3	6.75	4	26.1	13	48.91	4	50.6	17	7.96	11	69.7	38
19	49.29	1	26.0	1	6.79	3	27.4	15	48.95	3	52.3	17	7.85	21	73.5	35
März 1	49.28	6	25.9	0	6.76	8	28.9	14	48.92	8	54.0	17	7.64	29	77.0	32
11	49.22	9	25.9	1	6.68	13	30.3	13	48.84	15	55.7	16	7.35	35	80.2	28
21	49.13	12	26.0	3	6.55	16	31.6	13	48.69	18	57.3	14	7.00	42	83.0	23
31	49.01	13	26.3	3	6.39	18	32.9	11	48.51	20	58.7	11	6.58	45	85.3	20
April 10	48.88	14	26.6	4	6.21	20	34.0	8	48.31	23	59.8	9	6.13	48	87.3	14
20	48.74	14	27.0	3	6.01	20	34.8	5	48.08	22	60.7	5	5.65	50	88.7	9
30	48.60	13	27.3	4	5.81	19	35.3	2	47.86	22	61.2	2	5.15	49	89.6	4
Mai 10	48.47	11	27.7	4	5.62	17	35.5	1	47.64	19	61.4	2	4.66	48	90.0	2
20	48.36	10	28.1	4	5.45	15	35.4	4	47.45	17	61.2	4	4.18	45	89.8	7
30	48.26	7	28.5	3	5.30	11	35.0	6	47.28	13	60.8	9	3.73	41	89.1	12
Juni 9	48.19	4	28.8	3	5.19	7	34.4	9	47.15	9	59.9	10	3.32	37	87.9	17
19	48.15	2	29.1	3	5.12	4	33.5	11	47.06	5	58.9	14	2.95	31	86.2	20
29	48.13	2	29.4	2	5.08	0	32.4	13	47.01	1	57.5	15	2.64	24	84.2	25
Juli 9	48.15	4	29.6	2	5.08	4	31.1	15	47.00	4	56.0	18	2.40	18	81.7	27
19	48.19	7	29.8	1	5.12	9	29.6	16	47.04	8	54.2	19	2.22	9	79.0	29
29	48.26	11	29.9	0	5.21	14	28.0	19	47.12	14	52.3	22	2.13	0	76.1	34
Aug. 8	48.37	14	29.9	1	5.35	16	26.1	19	47.26	17	50.1	21	2.13	8	72.7	30
18	48.51	16	29.8	3	5.51	20	24.2	19	47.43	21	48.0	22	2.21	17	69.7	29
28	48.67	18	29.5	5	5.71	24	22.3	19	47.64	26	45.8	22	2.38	26	66.8	28
Sept. 7	48.85	22	29.0	6	5.95	27	20.4	20	47.90	29	43.6	22	2.64	35	64.0	24
17	49.07	24	28.4	8	6.22	31	18.4	20	48.19	33	41.4	21	2.99	43	61.6	19
27	49.31	27	27.6	10	6.53	34	16.4	19	48.52	36	39.3	21	3.42	49	59.7	15
Okt. 7	49.58	29	26.6	12	6.87	36	14.5	18	48.88	40	37.2	19	3.91	54	58.2	8
17	49.87	31	25.4	14	7.23	40	12.7	17	49.28	42	35.3	17	4.45	59	57.4	2
27	50.18	32	24.0	15	7.63	41	11.0	15	49.70	45	33.6	15	5.04	61	57.2	4
Nov. 6	50.50	34	22.5	16	8.04	42	9.5	13	50.15	45	32.1	13	5.65	62	57.6	11
16	50.84	34	20.9	16	8.46	42	8.2	10	50.60	46	30.8	9	6.27	60	58.7	18
26	51.18	32	19.3	17	8.88	42	7.2	8	51.06	45	29.9	6	6.87	56	60.5	23
Dez. 6	51.50	31	17.6	16	9.30	39	6.4	4	51.51	43	29.3	2	7.43	51	62.8	29
16	51.81	29	16.0	15	9.69	36	6.0	0	51.94	39	29.1	2	7.94	43	65.7	33
26	52.10	25	14.5	13	10.05	31	6.0	3	52.33	34	29.3	5	8.37	35	69.0	36
36	52.35		13.2		10.36		6.3		52.67		29.8		8.72		72.6	
Mittl. Ort	47.14		28.6		3.78		26.3		45.64		50.6		5.52		69.6	
sec δ, tg δ	1.023		+0.216		1.348		+0.904		1.480		+1.091		2.464		−2.252	

1914	344) σ² Ursae maj. AR.		Dekl. +		345) λ Argus. AR.		Dekl. −		347) ϑ Hydrae. AR.		Dekl. +		348) β Argus. AR.		Dekl. −	
	$9^h\ 2^m$		67° 28′		$9^h\ 4^m$		43° 4′		$9^h\ 9^m$		2° 40′		$9^h\ 12^m$		69° 21′	
	s		″		s		″		s		″		s		″	
Jan. 0	54.82	51	57.9	16	51.14	24	53.4	35	54.79	24	42.1	17	17.62	35	30.1	37
10	55.33	39	59.5	20	51.38	17	56.9	36	55.03	19	40.4	16	17.97	24	33.8	38
20	55.72	28	61.5	24	51.55	12	60.5	35	55.22	15	38.8	15	18.21	12	37.6	40
30	56.00	17	63.9	24	51.67	4	64.0	35	55.37	9	37.3	11	18.33	0	41.6	39
Febr. 9	56.17	4	66.3	26	51.71	1	67.5	32	55.46	5	36.2	10	18.33	12	45.5	38
19	56.21	9	68.9	25	51.70	6	70.7	29	55.51	0	35.2	7	18.21	22	49.3	36
März 1	56.12	18	71.4	24	51.64	12	73.6	27	55.51	5	34.5	5	17.99	31	52.9	34
11	55.94	28	73.8	21	51.52	16	76.3	22	55.46	8	34.0	3	17.68	40	56.3	29
21	55.66	35	75.9	19	51.36	19	78.5	19	55.38	10	33.7	1	17.28	46	59.2	26
31	55.31	41	77.8	14	51.17	21	80.4	14	55.28	12	33.6	0	16.82	52	61.8	22
April 10	54.90	44	79.2	10	50.96	23	81.8	9	55.16	14	33.6	2	16.30	54	64.0	16
20	54.46	45	80.2	5	50.73	23	82.7	5	55.02	13	33.8	2	15.76	58	65.6	11
30	54.01	44	80.7	0	50.50	22	83.2	1	54.89	13	34.0	4	15.18	57	66.7	5
Mai 10	53.57	41	80.7	5	50.28	22	83.3	4	54.76	11	34.4	5	14.61	57	67.2	1
20	53.16	37	80.2	10	50.06	20	82.9	9	54.65	10	34.9	5	14.04	54	67.3	5
30	52.79	32	79.2	14	49.86	17	82.0	12	54.55	8	35.4	6	13.50	50	66.8	10
Juni 9	52.47	24	77.8	18	49.69	14	80.8	16	54.47	5	36.0	6	13.00	46	65.8	15
19	52.23	18	76.0	22	49.55	11	79.2	20	54.42	3	36.6	7	12.54	39	64.3	19
29	52.05	9	73.8	24	49.44	8	77.2	22	54.39	0	37.3	6	12.15	32	62.4	24
Juli 9	51.96	1	71.4	26	49.36	4	75.0	25	54.39	3	37.9	7	11.83	24	60.0	26
19	51.95	7	68.8	28	49.32	0	72.5	26	54.42	5	38.6	6	11.59	15	57.4	29
29	52.02	17	66.0	33	49.32	5	69.9	29	54.47	8	39.2	6	11.44	6	54.5	30
Aug. 8	52.19	25	62.7	30	49.37	10	67.0	25	54.55	11	39.8	3	11.38	6	51.5	34
18	52.44	32	59.7	30	49.47	13	64.5	24	54.66	14	40.1	2	11.44	16	48.1	30
28	52.76	39	56.7	29	49.60	18	62.1	22	54.80	17	40.3	1	11.60	26	45.1	28
Sept. 7	53.15	46	53.8	28	49.78	23	59.9	19	54.97	19	40.4	2	11.86	36	42.3	25
17	53.61	53	51.0	26	50.01	26	58.0	14	55.16	23	40.2	5	12.22	45	39.8	21
27	54.14	59	48.4	25	50.27	31	56.6	9	55.39	25	39.7	7	12.67	54	37.7	16
Okt. 7	54.73	65	45.9	21	50.58	34	55.7	3	55.64	27	39.0	10	13.21	61	36.1	11
17	55.38	68	43.8	18	50.92	36	55.4	2	55.91	30	38.0	13	13.82	65	35.0	4
27	56.06	72	42.0	14	51.28	38	55.6	8	56.21	32	36.7	15	14.47	69	34.6	2
Nov. 6	56.78	74	40.6	10	51.66	40	56.4	14	56.53	32	35.2	17	15.16	70	34.8	10
16	57.52	73	39.6	5	52.06	38	57.8	20	56.85	33	33.5	19	15.86	68	35.8	15
26	58.25	72	39.1	1	52.44	38	59.8	25	57.18	33	31.6	19	16.54	65	37.3	22
Dez. 6	58.97	69	39.0	5	52.82	35	62.3	29	57.51	31	29.7	20	17.19	58	39.5	27
16	59.66	62	39.5	10	53.17	31	65.2	31	57.82	29	27.7	19	17.77	51	42.2	32
26	60.28	55	40.5	14	53.48	26	68.3	35	58.11	25	25.8	19	18.28	41	45.4	35
36	60.83		41.9		53.74		71.8		58.36		23.9		18.69		48.9	
Mittl. Ort	50.60		64.8		49.87		65.6		53.47		39.6		15.67		46.2	
sec δ, tg δ	2.612		+2.412		1.369		−0.935		1.001		+0.047		2.838		−2.656	

1914	350) 83 Cancri. AR.	Δ	Dekl. +	Δ	352) 40 Lyncis. AR.	Δ	Dekl. +	Δ	353) κ Argus. AR.	Δ	Dekl. −	Δ	354) α Hydrae. AR.	Δ	Dekl. −	Δ
	$9^h 14^m$		18° 3′		$9^h 15^m$		34° 45′		$9^h 19^m$		54° 38′		$9^h 23^m$		8° 17′	
Jan. 0	12.54	25	73.0	10	51.06	29	20.3	0	28.27	28	20.5	36	22.90	24	2.4	23
10	12.79	21	72.0	7	51.35	24	20.3	2	28.55	21	24.1	38	23.14	20	4.7	23
20	13.00	16	71.3	5	51.59	18	20.5	6	28.76	14	27.9	38	23.34	15	7.0	20
30	13.16	11	70.8	2	51.77	13	21.1	8	28.90	6	31.7	38	23.49	10	9.0	19
Febr. 9	13.27	6	70.6	0	51.90	6	21.9	10	28.96	2	35.5	36	23.59	5	10.9	16
19	13.33	1	70.6	2	51.96	0	22.9	11	28.94	8	39.1	34	23.64	0	12.5	14
März 1	13.34	4	70.8	3	51.96	5	24.0	12	28.86	15	42.5	31	23.64	3	13.9	11
11	13.30	8	71.1	4	51.91	9	25.2	12	28.71	20	45.6	27	23.61	7	15.0	9
21	13.22	10	71.5	5	51.82	12	26.4	11	28.51	24	48.3	23	23.54	10	15.9	5
31	13.12	13	72.0	6	51.70	16	27.5	11	28.27	28	50.6	19	23.44	13	16.4	4
April 10	12.99	14	72.6	5	51.54	16	28.6	8	27.99	29	52.5	14	23.31	13	16.8	2
20	12.85	14	73.1	5	51.38	17	29.4	7	27.70	31	53.9	9	23.18	13	17.0	1
30	12.71	13	73.6	4	51.21	17	30.1	4	27.39	31	54.8	4	23.05	13	16.9	3
Mai 10	12.58	12	74.0	4	51.04	15	30.5	2	27.08	30	55.2	1	22.92	12	16.6	5
20	12.46	11	74.4	3	50.89	13	30.7	1	26.78	28	55.1	6	22.80	11	16.1	6
30	12.35	8	74.7	2	50.76	10	30.6	2	26.50	26	54.5	10	22.69	9	15.5	8
Juni 9	12.27	6	74.9	1	50.66	8	30.4	5	26.24	23	53.5	15	22.60	6	14.7	9
19	12.21	3	75.0	0	50.58	5	29.9	7	26.01	19	52.0	19	22.54	5	13.8	10
29	12.18	0	75.0	0	50.53	1	29.2	9	25.82	15	50.1	23	22.49	2	12.8	12
Juli 9	12.18	3	75.0	2	50.52	3	28.3	11	25.67	11	47.8	25	22.47	1	11.6	11
19	12.21	5	74.8	3	50.55	5	27.2	12	25.56	5	45.3	27	22.48	3	10.5	11
29	12.26	8	74.5	3	50.60	9	26.0	14	25.51	0	42.6	29	22.51	6	9.4	11
Aug. 8	12.34	13	74.2	6	50.69	14	24.6	16	25.51	7	39.7	31	22.57	10	8.3	11
18	12.47	15	73.6	7	50.83	16	23.0	16	25.58	12	36.6	28	22.67	12	7.2	9
28	12.62	17	72.9	9	50.99	20	21.4	17	25.70	18	33.8	25	22.79	15	6.3	6
Sept. 7	12.79	20	72.0	9	51.19	23	19.7	18	25.88	25	31.3	23	22.94	18	5.7	3
17	12.99	23	71.1	12	51.42	26	17.9	19	26.13	29	29.0	18	23.12	21	5.4	1
27	13.22	26	69.9	13	51.68	29	16.0	18	26.42	35	27.2	14	23.33	24	5.3	3
Okt. 7	13.48	29	68.6	15	51.97	32	14.2	19	26.77	40	25.8	8	23.57	26	5.6	6
17	13.77	31	67.1	15	52.29	35	12.3	18	27.17	43	25.0	2	23.83	30	6.2	10
27	14.08	33	65.6	17	52.64	37	10.5	17	27.60	46	24.8	5	24.13	31	7.2	14
Nov. 6	14.41	34	63.9	17	53.01	39	8.8	16	28.06	47	25.3	10	24.44	32	8.6	16
16	14.75	34	62.2	16	53.40	39	7.2	14	28.53	46	26.3	18	24.76	33	10.2	20
26	15.09	35	60.6	16	53.79	39	5.8	12	28.99	45	28.1	23	25.09	33	12.2	21
Dez. 6	15.44	33	59.0	15	54.18	37	4.6	9	29.44	42	30.4	28	25.42	31	14.3	23
16	15.77	31	57.5	13	54.55	34	3.7	6	29.86	37	33.2	31	25.73	29	16.6	24
26	16.08	27	56.2	12	54.89	31	3.1	2	30.23	32	36.3	35	26.02	26	19.0	24
36	16.35		55.0		55.20		2.9		30.55		39.8		26.28		21.4	
Mittl. Ort	11.04		73.9		49.21		24.6		26.96		34.9		21.71		7.1	
sec δ, tg δ	1.052		+0.326		1.217		+0.694		1.728		−1.410		1.011		−0.146	

1914	355) *h* Ursae maj. AR.		Dekl. +		357) *d* Ursae maj. AR.		Dekl. +		358) ϑ Ursae maj. AR.		Dekl. +		359) ψ Argus. AR.		Dekl. —	
	9h 24m		63° 25′		9h 26m		70° 12′		9h 27m		52° 3′		9h 27m		40° 5′	
Jan. 0	49.30	47	70.5	12	58.61	60	23.8	15	9.32	37	64.0	7	19.79	26	11.1	34
10	49.77	40	71.7	17	59.21	50	25.3	19	9.69	32	64.7	11	20.05	21	14.5	35
20	50.17	30	73.4	21	59.71	37	27.2	23	10.01	24	65.8	14	20.26	14	18.0	35
30	50.47	19	75.5	22	60.08	23	29.5	26	10.25	16	67.2	18	20.40	9	21.5	33
Febr. 9	50.66	9	77.7	24	60.31	10	32.1	26	10.41	8	69.0	19	20.49	3	24.8	32
19	50.75	— 2	80.1	25	60.41	— 3	34.7	27	10.49	1 —	70.9	20	20.52	— 3	28.0	30
März 1	50.73	11	82.6	24	60.38	17	37.4	26	10.50	7	72.9	19	20.49	8	31.0	26
11	50.62	19	85.0	22	60.21	27	40.0	24	10.43	13	74.8	19	20.41	12	33.6	24
21	50.43	26	87.2	20	59.94	36	42.4	21	10.30	17	76.7	17	20.29	16	36.0	19
31	50.17	32	89.2	15	59.58	44	44.5	17	10.13	22	78.4	15	20.13	18	37.9	15
April 10	49.85	35	90.7	12	59.14	48	46.2	12	9.91	24	79.9	11	19.95	19	39.4	11
20	49.50	37	91.9	8	58.66	51	47.4	8	9.67	25	81.0	8	19.76	21	40.5	7
30	49.13	37	92.7	3 —	58.15	52	48.2	3 —	9.42	24	81.8	4	19.55	20	41.2	2 —
Mai 10	48.76	35	93.0	1	57.63	49	48.5	3	9.18	24	82.2	1 —	19.35	21	41.4	2
20	48.41	32	92.9	6	57.14	46	48.2	7	8.94	21	82.3	4	19.14	18	41.2	6
30	48.09	28	92.3	11	56.68	40	47.5	13	8.73	18	81.9	7	18.96	16	40.6	11
Juni 9	47.81	22	91.2	15	56.28	34	46.2	16	8.55	15	81.2	11	18.80	15	39.5	14
19	47.59	17	89.7	18	55.94	27	44.6	21	8.40	10	80.1	13	18.65	11	38.1	17
29	47.42	11	87.9	21	55.67	18	42.5	24	8.30	6	78.8	17	18.54	9	36.4	20
Juli 9	47.31	4 —	85.8	25	55.49	9	40.1	26	8.24	1 —	77.1	19	18.45	5	34.4	22
19	47.27	2	83.3	26	55.40	0	37.5	29	8.23	3	75.2	22	18.40	1 —	32.2	24
29	47.29	9	80.7	28	55.40	10	34.6	31	8.26	8	73.0	23	18.39	2	29.8	25
Aug. 8	47.38	18	77.9	32	55.50	20	31.5	35	8.34	14	70.7	27	18.41	7	27.3	27
18	47.56	23	74.7	29	55.70	27	28.0	32	8.48	18	68.0	25	18.48	11	24.6	23
28	47.79	30	71.8	30	55.97	36	24.8	32	8.66	22	65.5	26	18.59	15	22.3	21
Sept. 7	48.09	36	68.8	29	56.33	45	21.6	31	8.88	28	62.9	26	18.74	19	20.2	18
17	48.45	42	65.9	28	56.78	53	18.5	29	9.16	31	60.3	25	18.93	24	18.4	14
27	48.87	48	63.1	27	57.31	61	15.6	27	9.47	36	57.8	24	19.17	28	17.0	10
Okt. 7	49.35	53	60.4	23	57.92	67	12.9	25	9.83	39	55.4	23	19.45	31	16.0	5
17	49.88	57	58.1	21	58.59	73	10.4	21	10.22	44	53.1	22	19.76	35	15.5	— 1
27	50.45	61	56.0	18	59.32	78	8.3	18	10.66	46	50.9	18	20.11	37	15.6	7
Nov. 6	51.06	64	54.2	14	60.10	80	6.5	13	11.12	48	49.1	16	20.48	38	16.3	13
16	51.70	64	52.8	9	60.90	81	5.2	8	11.60	49	47.5	12	20.86	38	17.6	18
26	52.34	64	51.9	5	61.71	82	4.4	3	12.09	49	46.3	8	21.24	38	19.4	23
Dez. 6	52.98	62	51.4	— 1	62.53	78	4.1	— 3	12.58	48	45.5	4	21.62	36	21.7	27
16	53.60	57	51.5	6	63.31	72	4.4	8	13.06	44	45.1	0	21.98	32	24.4	30
26	54.17	51	52.1	10	64.03	65	5.2	12	13.50	40	45.1	5	22.30	28	27.4	34
36	54.68		53.1		64.68		6.4		13.90		45.6		22.58		30.8	
Mittl. Ort	45.80		79.2		54.03		33.2		6.81		71.7		18.68		23.0	
sec δ, tg δ	2.237		+2.001		2.954		+2.779		1.627		+1.283		1.307		—0.842	

1914	365) 10 Leon. min. AR.		Dekl. +		366) θ Antliae AR.		Dekl. —		367) ε Leonis AR.		Dekl. +		368) υ Ursae maj. AR.		Dekl. +	
	9h 28m		36° 46′		9h 40m		27° 22′		9h 40m		24° 9′		9h 44m		59° 26′	
Jan. 0	59.44	31	42.5	1	23.06	26	21.9	30	59.87	28	70.9	8	56.10	45	27.8	9
10	59.75	26	42.4	3	23.32	22	24.9	31	60.15	25	70.1	4	56.55	39	28.7	14
20	60.01	20	42.7	6	23.54	16	28.0	30	60.40	20	69.7	2	56.94	31	30.1	17
30	60.21	14	43.3	9	23.70	11	31.0	29	60.60	14	69.5	1	57.25	21	31.8	20
Febr. 9	60.35	8	44.2	11	23.81	6	33.9	27	60.74	8	69.6	3	57.46	12	33.8	22
19	60.43	2	45.3	13	23.87	0	36.6	24	60.82	4	69.9	5	57.58	3	36.0	23
März 1	60.45	3	46.6	13	23.87	4	39.0	22	60.86	2	70.4	7	57.61	6	38.3	24
11	60.42	8	47.9	13	23.83	7	41.2	18	60.84	6	71.1	8	57.55	13	40.7	22
21	60.34	12	49.2	13	23.76	11	43.0	15	60.78	9	71.9	8	57.42	20	42.9	21
31	60.22	15	50.5	11	23.65	13	44.5	12	60.69	11	72.7	8	57.22	25	45.0	17
April 10	60.07	17	51.6	10	23.52	15	45.7	8	60.58	14	73.5	8	56.97	29	46.7	14
20	59.90	17	52.6	8	23.37	16	46.5	5	60.44	14	74.3	7	56.68	31	48.1	10
30	59.73	17	53.4	5	23.21	16	47.0	1	60.30	13	75.0	6	56.37	31	49.1	6
Mai 10	59.56	17	53.9	3	23.05	15	47.1	2	60.17	14	75.6	4	56.06	30	49.7	1
20	59.39	14	54.2	0	22.90	14	46.9	6	60.03	11	76.0	3	55.76	29	49.8	3
30	59.25	11	54.2	3	22.76	12	46.3	9	59.92	10	76.3	1	55.47	25	49.5	8
Juni 9	59.14	8	53.9	5	22.64	11	45.4	12	59.82	7	76.4	0	55.22	21	48.7	11
19	59.06	6	53.4	7	22.53	8	44.2	14	59.75	6	76.4	1	55.01	17	47.6	16
29	59.00	3	52.7	10	22.45	6	42.8	17	59.69	2	76.3	4	54.84	12	46.0	19
Juli 9	58.97	1	51.7	11	22.39	3	41.1	18	59.67	0	75.9	5	54.72	6	44.1	21
19	58.98	4	50.6	13	22.36	1	39.3	19	59.67	3	75.4	6	54.66	0	42.0	25
29	59.02	8	49.3	15	22.35	3	37.4	19	59.70	6	74.8	8	54.66	4	39.5	26
Aug. 8	59.10	12	47.8	19	22.38	6	35.5	22	59.76	10	74.0	10	54.70	12	36.9	30
18	[12] 59.22	15	45.9	17	[16] 22.44	10	33.3	17	[16] 59.86	12	73.0	11	[17] 54.82	17	33.9	29
28	59.37	18	44.2	19	22.54	14	31.6	16	59.98	15	71.9	13	54.99	22	31.0	30
Sept. 7	59.55	22	42.3	20	22.68	16	30.0	14	60.13	18	70.6	13	55.21	28	28.0	29
17	59.77	25	40.3	20	22.84	21	28.6	9	60.31	22	69.3	16	55.49	34	25.1	29
27	60.02	29	38.3	20	23.05	24	27.7	6	60.53	25	67.7	17	55.83	40	22.2	28
Okt. 7	60.31	32	36.3	20	23.29	28	27.1	1	60.78	27	66.0	17	56.23	44	19.4	25
17	60.63	35	34.3	20	23.57	30	27.0	4	61.05	31	64.3	19	56.67	49	16.9	24
27	60.98	38	32.3	18	23.87	33	27.4	9	61.36	33	62.4	18	57.16	53	14.5	21
Nov. 6	61.36	38	30.5	17	24.20	35	28.3	14	61.69	35	60.6	19	57.69	56	12.4	17
16	61.74	40	28.8	15	24.55	35	29.7	18	62.04	36	58.7	17	58.25	57	10.7	13
26	62.14	40	27.3	13	24.90	35	31.5	21	62.40	36	57.0	17	58.82	57	9.4	8
Dez. 6	62.54	39	26.0	9	25.25	33	33.6	27	62.76	35	55.3	14	59.39	56	8.6	4
16	62.93	36	25.1	6	25.58	32	36.3	28	63.11	34	53.9	13	59.95	53	8.2	2
26	63.29	33	24.5	3	25.90	28	39.1	30	63.45	30	52.6	10	60.48	48	8.4	6
36	63.62		24.2		26.18		42.1		63.75		51.6		60.96		9.0	
Mittl. Ort	57.59		48.0		22.04		31.1		58.37		74.7		53.16		38.0	
sec δ, tg δ	1.249		+0.748		1.126		—0.518		1.096		+0.449		1.967		+1.694	

1914	369) υ Argus. AR.	Δ	369) Dekl. —	Δ	370) 6 Sextantis. AR.	Δ	370) Dekl. —	Δ	372) Gr. 1586. AR.	Δ	372) Dekl. +	Δ	378) π Leonis. AR.	Δ	378) Dekl. +	Δ
	9h 44m		64° 40′		9h 46m		3° 50′		9h 50m		73° 16′		9h 55m		8° 27′	
Jan. 0	58.46	38	5.6	36	55.16	27	20.6	22	48.44	74	69.1	14	41.42	28	25.6	17
10	58.84	30	9.2	37	55.43	22	22.8	20	49.18	62	70.5	19	41.70	24	23.9	14
20	59.14	20	12.9	39	55.65	17	24.8	19	49.80	49	72.4	22	41.94	19	22.5	12
30	59.34	11	16.8	40	55.82	13	26.7	16	50.29	33	74.6	25	42.13	14	21.3	9
Febr. 9	59.45	0	20.8	38	55.95	8	28.3	15	50.62	18	77.1	28	42.27	9	20.4	7
19	59.45	8	24.6	38	56.03	3	29.8	11	50.80	2	79.9	28	42.36	5	19.7	4
März 1	59.37	17	28.4	35	56.06	1	30.9	9	50.82	13	82.7	27	42.41	0	19.3	2
11	59.20	24	31.9	32	56.05	5	31.8	7	50.69	26	85.4	26	42.41	4	19.1	0
21	58.96	30	35.1	28	56.00	8	32.5	4	50.43	39	88.0	24	42.37	7	19.1	1
31	58.66	35	37.9	24	55.92	10	32.9	3	50.04	48	90.4	19	42.30	10	19.2	3
April 10	58.31	39	40.3	19	55.82	12	33.2	1	49.56	55	92.3	15	42.20	11	19.5	4
20	57.92	42	42.2	15	55.70	12	33.3	2	49.01	59	93.8	11	42.09	11	19.9	4
30	57.50	43	43.7	9	55.58	12	33.1	3	48.42	62	94.9	5	41.98	12	20.3	4
Mai 10	57.07	43	44.6	5	55.46	12	32.8	4	47.80	61	95.4	0	41.86	12	20.7	5
20	56.64	42	45.1	1	55.34	10	32.4	5	47.19	58	95.4	6	41.74	10	21.2	5
30	56.22	41	45.0	7	55.24	9	31.9	7	46.61	53	94.8	10	41.64	9	21.7	5
Juni 9	55.81	37	44.3	11	55.15	8	31.2	7	46.08	47	93.8	16	41.55	8	22.2	5
19	55.44	33	43.2	16	55.07	5	30.5	9	45.61	39	92.2	19	41.47	6	22.7	4
29	55.11	29	41.6	20	55.02	3	29.6	8	45.22	30	90.3	23	41.41	3	23.1	3
Juli 9	54.82	22	39.6	25	54.99	1	28.8	9	44.92	21	88.0	27	41.38	1	23.4	3
19	54.60	16	37.1	26	54.98	1	27.9	9	44.71	10	85.3	30	41.37	1	23.7	2
29	54.44	9	34.5	28	54.99	4	27.0	8	44.61	0	82.3	31	41.38	4	23.9	1
Aug. 8	54.35	1	31.7	33	55.03	8	26.2	7	44.61	11	79.2	34	41.42	7	24.0	0
18	[17] 54.34	8	28.4	30	[17] 55.11	10	25.5	5	[18] 44.72	25	75.8	36	[20] 41.49	10	24.0	2
28	54.42	16	25.4	28	55.21	13	25.0	4	44.97	33	72.2	34	41.59	13	23.8	4
Sept. 7	54.58	26	22.6	26	55.34	16	24.6	1	45.30	44	68.8	33	41.72	16	23.4	6
17	54.84	33	20.0	23	55.50	19	24.5	2	45.74	54	65.5	33	41.88	18	22.8	8
27	55.17	41	17.7	18	55.69	22	24.7	5	46.28	62	62.2	30	42.06	22	22.0	10
Okt. 7	55.58	48	15.9	13	55.91	26	25.2	7	46.90	72	59.2	28	42.28	25	21.0	13
17	56.06	54	14.6	7	56.17	27	25.9	11	47.62	79	56.4	24	42.53	28	19.7	15
27	56.60	57	13.9	1	56.44	31	27.0	14	48.41	86	54.0	21	42.81	30	18.2	17
Nov. 6	57.17	60	13.8	6	56.75	32	28.4	17	49.27	90	51.9	16	43.11	33	16.5	18
16	57.77	60	14.4	13	57.07	33	30.1	20	50.17	93	50.3	11	43.44	33	14.7	19
26	58.37	59	15.7	19	57.40	34	32.1	21	51.10	94	49.2	5	43.77	34	12.8	20
Dez. 6	58.96	55	17.6	24	57.74	32	34.2	22	52.04	91	48.7	0	44.11	34	10.8	20
16	59.51	50	20.0	29	58.06	30	36.4	22	52.95	86	48.7	6	44.45	31	8.8	19
26	60.01	43	22.9	34	58.36	28	38.6	22	53.81	79	49.3	11	44.76	29	6.9	17
36	60.44		26.3		58.64		40.8		54.60		50.4		45.05		5.2	
Mittl. Ort	57.17		22.0		54.05		23.6		43.32		81.0		40.22		26.2	
sec δ, tg δ	2.338		—2.114		1.002		—0.067		3.478		+3.331		1.011		+0.149	

1914	379) η Leonis. AR.		Dekl. +		380) α Leonis. AR.		Dekl. +		381) λ Hydrae. AR.		Dekl. —		382) ψ Velorum. AR.		Dekl. —	
	$10^h\ 2^m$		17° 10′		$10^h\ 3^m$		12° 22′		$10^h\ 6^m$		11° 55′		$10^h\ 11^m$		41° 41′	
Jan. 0	40.06	29	53.6	13	48.84	28	74.4	15	24.70	27	38.3	25	8.20	31	31.3	32
10	40.35	25	52.3	10	49.12	25	72.9	12	24.97	24	40.8	24	8.51	26	34.5	34
20	40.60	21	51.3	7	49.37	20	71.7	10	25.21	19	43.2	24	8.77	21	37.9	35
30	40.81	16	50.6	4	49.57	16	70.7	7	25.40	14	45.6	21	8.98	14	41.4	34
Febr. 9	40.97	10	50.2	1	49.73	10	70.0	5	25.54	10	47.7	19	9.12	9	44.8	33
19	41.07	5	50.1	1	49.83	5	69.5	2	25.64	5	49.6	17	9.21	3	48.1	32
März 1	41.12	1	50.2	3	49.88	1	69.3	1	25.69	0	51.3	14	9.24	2	51.3	29
11	41.13	3	50.5	4	49.89	3	69.4	2	25.69	4	52.7	12	9.22	7	54.2	27
21	41.10	7	50.9	6	49.86	6	69.6	3	25.65	7	53.9	9	9.15	11	56.9	23
31	41.03	9	51.5	6	49.80	9	69.9	5	25.58	9	54.8	6	9.04	14	59.2	19
April 10	40.94	11	52.1	7	49.71	11	70.4	5	25.49	11	55.4	4	8.90	17	61.1	15
20	40.83	13	52.8	6	49.60	12	70.9	5	25.38	12	55.8	1	8.73	18	62.6	11
30	40.70	12	53.4	6	49.48	12	71.4	6	25.26	11	55.9	1	8.55	19	63.7	7
Mai 10	40.58	12	54.0	6	49.36	12	72.0	5	25.15	13	55.8	3	8.36	19	64.4	3
20	40.46	11	54.6	4	49.24	11	72.5	5	25.02	11	55.5	4	8.17	19	64.7	2
30	40.35	10	55.0	4	49.13	9	73.0	4	24.91	10	55.1	7	7.98	18	64.5	5
Juni 9	40.25	8	55.4	2	49.04	8	73.4	4	24.81	9	54.4	8	7.80	16	64.0	10
19	40.17	6	55.6	2	48.96	6	73.8	3	24.72	7	53.6	10	7.64	15	63.0	14
29	40.11	4	55.8	0	48.90	4	74.1	2	24.65	5	52.6	11	7.49	12	61.6	16
Juli 9	40.07	2	55.8	1	48.86	1	74.3	1	24.60	3	51.5	11	7.37	9	60.0	20
19	40.05	1	55.7	2	48.85	0	74.4	0	24.57	1	50.4	12	7.28	7	58.0	22
29	40.06	4	55.5	5	48.85	3	74.4	2	24.56	2	49.2	12	7.21	3	55.8	23
Aug. 8	40.10	6	55.0	5	48.88	6	74.2	2	24.58	5	48.0	11	7.18	1	53.5	24
18	40.16	10	54.5	8	48.94	10	74.0	5	24.63	8	46.9	11	7.19	6	51.1	26
28	[22] 40.26	12	53.7	9	[22] 49.04	12	73.5	6	[23] 24.71	11	45.8	7	[21] 7.25	10	48.5	22
Sept. 7	40.38	16	52.8	11	49.16	15	72.9	8	24.82	14	45.1	6	7.35	15	46.3	20
17	40.54	19	51.7	13	49.31	18	72.1	11	24.96	17	44.5	2	7.50	20	44.3	17
27	40.73	21	50.4	15	49.49	21	71.0	13	25.13	21	44.3	1	7.70	24	42.6	12
Okt. 7	40.94	26	48.9	16	49.70	25	69.7	14	25.34	24	44.4	4	7.94	28	41.4	9
17	41.20	28	47.3	18	49.95	28	68.3	16	25.58	27	44.8	8	8.22	33	40.5	3
27	41.48	31	45.5	18	50.23	30	66.7	18	25.85	30	45.6	12	8.55	36	40.2	3
Nov. 6	41.79	33	43.7	20	50.53	32	64.9	19	26.15	32	46.8	15	8.91	39	40.5	8
16	42.12	34	41.7	20	50.85	34	63.0	20	26.47	34	48.3	19	9.30	39	41.3	14
26	42.46	36	39.7	18	51.19	34	61.0	19	26.81	34	50.2	21	9.69	41	42.7	19
Dez. 6	42.82	34	37.9	18	51.53	34	59.1	19	27.15	33	52.3	24	10.10	38	44.6	24
16	43.16	33	36.1	16	51.87	33	57.2	18	27.48	31	54.7	24	10.48	37	47.0	28
26	43.49	31	34.5	14	52.20	30	55.4	16	27.79	29	57.1	25	10.85	33	49.8	31
36	43.80		33.1		52.50		53.8		28.08		59.6		11.18		52.9	
Mittl. Ort	38.77		56.8		47.63		76.5		23.74		42.9		7.37		43.7	
sec δ, tg δ	1.047		+0.309		1.024		+0.220		1.022		−0.211		1.339		−0.891	

1914	384) ζ Leonis. AR.		Dekl. +		383) λ Ursae maj. AR.		Dekl. +		386) μ Ursae maj. AR.		Dekl. +		387) 30 H. Urs. maj. AR.		Dekl. +	
	10h 11m		23° 50'		10h 11m		43° 20'		10h 17m		41° 55'		10h 17m		65° 59'	
Jan. 0	55.96	31	41.3	10	56.81	38	29.3	1	14.45	38	46.7	2	60.08	59	52.9	8
10	56.27	27	40.3	7	57.19	32	29.2	4	14.83	31	46.5	2	60.67	51	53.7	13
20	56.54	22	39.6	4	57.51	26	29.6	7	15.14	26	46.7	6	61.18	43	55.0	18
30	56.76	17	39.2	0	57.77	20	30.3	11	15.40	21	47.3	10	61.61	31	56.8	21
Febr. 9	56.93	12	39.2	3	57.97	14	31.4	14	15.61	14	48.3	13	61.92	21	58.9	24
19	57.05	7	39.5	5	58.11	8	32.8	16	15.75	8	49.6	15	62.13	10	61.3	26
März 1	57.12	2	40.0	7	58.19	1	34.4	17	15.83	2	51.1	17	62.23	2	63.9	27
11	57.14	3	40.7	8	58.20	5	36.1	18	15.85	4	52.8	17	62.21	11	66.6	25
21	57.11	6	41.5	9	58.15	9	37.9	17	15.81	8	54.5	17	62.10	21	69.1	24
31	57.05	10	42.4	9	58.06	14	39.6	16	15.73	12	56.2	16	61.89	28	71.5	22
April 10	56.95	11	43.3	9	57.92	16	41.2	15	15.61	16	57.8	14	61.61	33	73.7	17
20	56.84	13	44.2	9	57.76	18	42.7	11	15.45	17	59.2	12	61.28	38	75.4	14
30	56.71	13	45.1	7	57.58	18	43.8	9	15.28	18	60.4	9	60.90	39	76.8	9
Mai 10	56.58	13	45.8	6	57.40	19	44.7	6	15.10	17	61.3	6	60.51	41	77.7	5
20	56.45	11	46.4	4	57.21	17	45.3	2	14.93	17	61.9	4	60.10	39	78.2	1
30	56.34	11	46.8	3	57.04	16	45.5	1	14.76	16	62.3	1	59.71	37	78.1	6
Juni 9	56.23	9	47.1	1	56.88	14	45.4	5	14.60	13	62.2	3	59.34	34	77.5	10
19	56.14	7	47.2	1	56.74	11	44.9	7	14.47	11	61.9	7	59.00	29	76.5	14
29	56.07	5	47.1	2	56.63	8	44.2	11	14.36	9	61.2	9	58.71	23	75.1	19
Juli 9	56.02	3	46.9	5	56.55	5	43.1	13	14.27	5	60.3	13	58.48	17	73.2	23
19	55.99	0	46.4	5	56.50	2	41.8	16	14.22	2	59.0	15	58.31	11	70.9	26
29	55.99	3	45.9	8	56.48	2	40.2	18	14.20	1	57.5	18	58.20	4	68.3	28
Aug. 8	56.02	5	45.1	10	56.50	6	38.4	21	14.21	5	55.7	19	58.16	3	65.5	30
18	56.07	9	44.1	12	56.56	10	36.3	24	14.26	9	53.8	23	58.19	11	62.5	35
28	56.16	12	42.9	13	56.66	14	33.9	23	14.35	13	51.5	23	58.30	18	59.0	33
Sept. 7	56.28	15	41.6	15	56.80	18	31.6	25	14.48	17	49.2	25	58.48	26	55.7	34
17	56.43	19	40.1	16	56.98	22	29.1	25	14.65	21	46.7	25	58.74	33	52.3	32
27	56.62	22	38.5	18	57.20	26	26.6	26	14.86	25	44.2	25	59.07	40	49.1	32
Okt. 7	56.84	25	36.7	20	57.46	30	24.0	25	15.11	29	41.7	25	59.47	47	45.9	30
17	57.09	28	34.7	20	57.76	34	21.5	25	15.40	33	39.2	25	59.94	54	42.9	28
27	57.37	32	32.7	20	58.10	37	19.0	23	15.73	36	36.7	23	60.48	60	40.1	24
Nov. 6	57.69	34	30.7	21	58.47	41	16.7	21	16.09	39	34.4	22	61.08	64	37.7	21
16	58.03	35	28.6	19	58.88	42	14.6	18	16.48	42	32.2	19	61.72	67	35.6	16
26	58.38	36	26.7	19	59.30	43	12.8	16	16.90	42	30.3	16	62.39	69	34.0	11
Dez. 6	58.74	36	24.8	17	59.73	43	11.2	12	17.32	42	28.7	13	63.08	68	32.9	6
16	59.10	35	23.1	14	60.16	41	10.0	7	17.74	41	27.4	9	63.76	66	32.3	1
26	59.45	32	21.7	12	60.57	39	9.3	3	18.15	38	26.5	4	64.42	61	32.2	5
36	59.77		20.5		60.96		9.0		18.53		26.1		65.03		32.7	
Mittl. Ort	54.61		46.7		54.96		39.2		12.68		56.6		56.71		66.6	
sec δ, tg δ	1.093		+0.442		1.375		+0.944		1.344		+0.898		2.459		+2.246	

1914	389) μ Hydrae. AR.		Dekl. −		391) δ Carinae. AR.		Dekl. −		390) 31 Leon. min. AR.		Dekl. +		392) Lac. α Antliae. AR.		Dekl. −	
	10h 21m		16° 23′		10h 22m		73° 35′		10h 22m		37° 8′		10h 23m		30° 37′	
Jan. 0	56.70	29	43.5	26	42.41	64	19.0	32	56.51	35	44.5	4	13.66	30	37.0	30
10	56.99	25	46.1	26	43.05	51	22.2	35	56.86	31	44.1	1	13.96	26	40.0	31
20	57.24	20	48.7	25	43.56	38	25.7	38	57.17	26	44.0	3	14.22	21	43.1	31
30	57.44	16	51.2	24	43.94	26	29.5	39	57.43	20	44.3	7	14.43	16	46.2	30
Febr. 9	57.60	11	53.6	22	44.20	11	33.4	40	57.63	15	45.0	10	14.59	11	49.2	29
19	57.71	7	55.8	20	44.31	2	37.4	39	57.78	8	46.0	13	14.70	6	52.1	27
März 1	57.78	1	57.8	17	44.29	14	41.3	39	57.86	3	47.3	14	14.76	1	54.8	24
11	57.79	2	59.5	14	44.15	27	45.2	36	57.89	3	48.7	15	14.77	4	57.2	22
21	57.77	6	60.9	12	43.88	37	48.8	33	57.86	7	50.2	16	14.73	7	59.4	19
31	57.71	8	62.1	9	43.51	46	52.1	30	57.79	11	51.8	14	14.66	10	61.3	15
April 10	57.63	10	63.0	6	43.05	53	55.1	26	57.68	13	53.2	14	14.56	12	62.8	12
20	57.53	12	63.6	3	42.52	59	57.7	21	57.55	15	54.6	11	14.44	14	64.0	9
30	57.41	12	63.9	1	41.93	64	59.8	16	57.40	16	55.7	10	14.30	14	64.9	4
Mai 10	57.29	12	64.0	1	41.29	67	61.4	12	57.24	16	56.7	6	14.16	15	65.3	2
20	57.17	11	63.9	4	40.62	67	62.6	5	57.08	15	57.3	4	14.01	15	65.5	2
30	57.06	11	63.5	7	39.95	66	63.1	1	56.93	14	57.7	2	13.86	13	65.3	6
Juni 9	56.95	10	62.8	8	39.29	65	63.2	5	56.79	13	57.9	2	13.73	13	64.7	9
19	56.85	8	62.0	10	38.64	61	62.7	11	56.66	10	57.7	5	13.60	11	63.8	12
29	56.77	7	61.0	11	38.03	55	61.6	15	56.56	7	57.2	8	13.49	9	62.6	14
Juli 9	56.70	4	59.9	13	37.48	48	60.1	19	56.49	5	56.4	10	13.40	7	61.2	16
19	56.66	2	58.6	13	37.00	40	58.2	24	56.44	2	55.4	12	13.33	5	59.6	18
29	56.64	0	57.3	13	36.60	29	55.8	26	56.42	1	54.2	15	13.28	1	57.8	19
Aug. 8	56.64	2	56.0	13	36.31	17	53.2	29	56.43	4	52.7	17	13.27	1	55.9	20
18	56.66	7	54.7	13	36.14	5	50.3	32	56.47	8	51.0	21	13.28	5	53.9	20
28	[27] 56.73	9	53.4	10	[27] 36.09	9	47.1	31	[27] 56.55	12	48.9	21	[27] 13.33	9	51.9	17
Sept. 7	56.82	12	52.4	8	36.18	23	44.0	29	56.67	15	46.8	22	13.42	13	50.2	16
17	56.94	16	51.6	5	36.41	37	41.1	26	56.82	19	44.6	24	13.55	17	48.6	12
27	57.10	20	51.1	2	36.78	49	38.5	23	57.01	23	42.2	24	13.72	20	47.4	9
Okt. 7	57.30	24	50.9	2	37.27	61	36.2	19	57.24	27	39.8	24	13.92	25	46.5	4
17	57.54	26	51.1	7	37.88	72	34.3	14	57.51	31	37.4	24	14.17	29	46.1	1
27	57.80	30	51.8	10	38.60	79	32.9	7	57.82	34	35.0	23	14.46	32	46.2	5
Nov. 6	58.10	32	52.8	14	39.39	84	32.2	1	58.16	37	32.7	22	14.78	35	46.7	10
16	58.42	34	54.2	17	40.23	88	32.1	6	58.53	39	30.5	20	15.13	36	47.7	15
26	58.76	34	55.9	21	41.11	87	32.7	12	58.92	40	28.5	18	15.49	37	49.2	20
Dez. 6	59.10	34	58.0	23	41.98	83	33.9	19	59.32	40	26.7	14	15.86	36	51.2	23
16	59.44	33	60.3	25	42.81	78	35.8	24	59.72	39	25.3	11	16.22	35	53.5	27
26	59.77	30	62.8	26	43.59	69	38.2	29	60.11	36	24.2	7	16.57	31	56.2	29
36	60.07		65.4		44.28		41.1		60.47		23.5		16.88		59.1	
Mittl. Ort	55.85		49.0		41.41		37.1		54.92		53.8		12.89		46.5	
sec δ, tg δ	1.042		−0.294		3.542		−3.398		1.255		+0.758		1.162		−0.592	

1914	393) s Carinae. AR.		Dekl. −		394) 36 Ursae maj. AR.		Dekl. +		395) 9 H. Draconis. AR.		Dekl. +		404) 33 Sextantis. AR.		Dekl. −	
	10ʰ 24ᵐ		58° 17′		10ʰ 25ᵐ		56° 24′		10ʰ 27ᵐ		76° 8′		10ʰ 37ᵐ		1° 17′	
Jan. 0	43.87	40	44.2	33	10.34	47	66.0	4	54.61	95	68.4	10	2.62	29	20.6	22
10	44.27	34	47.5	35	10.81	41	66.4	8	55.56	82	69.4	16	2.91	26	22.8	20
20	44.61	27	51.0	38	11.22	35	67.2	13	56.38	69	71.0	20	3.17	23	24.8	18
30	44.88	19	54.8	38	11.57	27	68.5	17	57.07	51	73.0	25	3.40	17	26.6	16
Febr. 9	45.07	11	58.6	38	11.84	18	70.2	20	57.58	34	75.5	27	3.57	13	28.2	13
19	45.18	3	62.4	37	12.02	10	72.2	22	57.92	15	78.2	29	3.70	9	29.5	11
März 1	45.21	4	66.1	35	12.12	2	74.4	23	58.07	3	81.1	29	3.79	4	30.6	9
11	45.17	10	69.6	33	12.14	6	76.7	23	58.04	20	84.0	28	3.83	0	31.5	5
21	45.07	17	72.9	30	12.08	13	79.0	22	57.84	36	86.8	26	3.83	4	32.0	4
31	44.90	20	75.9	26	11.95	18	81.2	21	57.48	50	89.4	23	3.79	6	32.4	2
April 10	44.70	25	78.5	22	11.77	22	83.3	17	56.98	60	91.7	19	3.73	9	32.6	0
20	44.45	28	80.7	18	11.55	25	85.0	14	56.38	68	93.6	15	3.64	9	32.6	2
30	44.17	30	82.5	13	11.30	27	86.4	11	55.70	74	95.1	10	3.55	11	32.4	2
Mai 10	43.87	30	83.8	8	11.03	27	87.5	6	54.96	75	96.1	4	3.44	10	32.2	4
20	43.57	31	84.6	2	10.76	27	88.1	2	54.21	75	96.5	2	3.34	11	31.8	5
30	43.26	31	84.8	2	10.49	25	88.3	2	53.46	71	96.3	7	3.23	10	31.3	6
Juni 9	42.95	29	84.6	7	10.24	22	88.1	8	52.75	67	95.6	12	3.13	9	30.7	6
19	42.66	27	83.9	12	10.02	19	87.3	11	52.08	59	94.4	17	3.04	7	30.1	7
29	42.39	24	82.7	16	9.83	15	86.2	15	51.49	50	92.7	21	2.97	6	29.4	6
Juli 9	42.15	20	81.1	20	9.68	12	84.7	18	50.99	40	90.6	25	2.91	4	28.8	7
19	41.95	16	79.1	23	9.56	7	82.9	22	50.59	29	88.1	29	2.87	2	28.1	6
29	41.79	11	76.8	26	9.49	2	80.7	24	50.30	17	85.2	31	2.85	0	27.5	6
Aug. 8	41.68	5	74.2	27	9.47	3	78.3	26	50.13	5	82.1	34	2.85	2	26.9	5
18	41.63	1	71.5	28	9.50	8	75.7	29	50.08	8	78.7	35	2.87	5	26.4	3
28	41.64	8	68.7	30	9.58	14	72.8	32	50.16	23	75.2	39	2.92	8	26.1	1
Sept. 7	^{28}41.72	16	65.7	26	^{28}9.72	19	69.6	30	^{28}50.39	35	71.3	36	^{31}3.00	11	26.0	1
17	41.88	22	63.1	23	9.91	25	66.6	31	50.74	48	67.7	35	3.11	15	26.1	3
27	42.10	30	60.8	20	10.16	30	63.5	31	51.22	60	64.2	34	3.26	18	26.4	6
Okt. 7	42.40	36	58.8	15	10.46	35	60.4	29	51.82	72	60.8	32	3.44	22	27.0	9
17	42.76	41	57.3	9	10.81	41	57.5	28	52.54	83	57.6	29	3.66	25	27.9	12
27	43.17	47	56.4	4	11.22	45	54.7	24	53.37	92	54.7	25	3.91	28	29.1	14
Nov. 6	43.64	50	56.0	3	11.67	48	52.3	23	54.29	100	52.2	21	4.19	31	30.5	18
16	44.14	52	56.3	9	12.15	52	50.0	18	55.29	105	50.1	15	4.50	32	32.3	19
26	44.66	52	57.2	15	12.67	53	48.2	15	56.34	108	48.6	11	4.82	34	34.2	21
Dez. 6	45.18	51	58.7	21	13.20	53	46.7	9	57.42	108	47.5	4	5.16	34	36.3	22
16	45.69	48	60.8	26	13.73	52	45.8	5	58.50	104	47.1	2	5.50	33	38.5	23
26	46.17	43	63.4	31	14.25	49	45.3	0	59.54	97	47.3	7	5.83	31	40.8	21
36	46.60		66.5		14.74		45.3		60.51		48.0		6.14		42.9	
Mittl. Ort	43.13		60.1		7.94		79.1		49.10		83.6		1.72		21.2	
sec δ tg δ	1.904		−1.620		1.808		+1.506		4.180		+4.059		1.000		−0.022	

1914	406) ϑ Argus. AR.	Δ	Dekl. −	Δ	407) 42 Leon. min. AR.	Δ	Dekl. +	Δ	408) μ Argus. AR.	Δ	Dekl. −	Δ	409) l Leonis. AR.	Δ	Dekl. +	Δ
	10h 39m		63° 56′		10h 41m		31° 7′		10h 43m		48° 57′		10h 44m		10° 59′	
Jan. 0	53.75	48	20.2	30	6.55	34	59.1	9	4.55	37	42.2	31	45.29	31	58.3	17
10	54.23	41	23.2	35	6.89	31	58.2	5	4.92	32	45.3	34	45.60	28	56.6	15
20	54.64	33	26.7	37	7.20	26	57.7	1	5.24	27	48.7	35	45.88	23	55.1	11
30	54.97	25	30.4	38	7.46	21	57.6	3	5.51	20	52.2	36	46.11	19	54.0	10
Febr. 9	55.22	14	34.2	39	7.67	16	57.9	6	5.71	14	55.8	36	46.30	15	53.0	6
19	55.36	6	38.1	39	7.83	10	58.5	9	5.85	8	59.4	34	46.45	9	52.4	3
März 1	55.42	2	42.0	37	7.93	5	59.4	12	5.93	1	62.8	33	46.54	5	52.1	1
11	55.40	10	45.7	35	7.98	0	60.6	12	5.94	4	66.1	31	46.59	1	52.0	1
21	55.30	17	49.2	32	7.98	4	61.8	13	5.90	8	69.2	28	46.60	3	52.1	4
31	55.13	23	52.4	29	7.94	8	63.1	14	5.82	13	72.0	24	46.57	5	52.5	4
April 10	54.90	29	55.3	25	7.86	11	64.5	12	5.69	16	74.4	20	46.52	8	52.9	5
20	54.61	32	57.8	21	7.75	12	65.7	12	5.53	18	76.4	17	46.44	10	53.4	7
30	54.29	35	59.9	16	7.63	14	66.9	10	5.35	21	78.1	12	46.34	11	54.1	6
Mai 10	53.94	38	61.5	11	7.49	14	67.9	8	5.14	21	79.3	7	46.23	10	54.7	6
20	53.56	38	62.6	6	7.35	13	68.7	6	4.93	22	80.0	3	46.13	11	55.3	5
30	53.18	38	63.2	1	7.22	13	69.3	3	4.71	21	80.3	1	46.02	10	55.8	6
Juni 9	52.80	37	63.3	4	7.09	11	69.6	1	4.50	21	80.2	6	45.92	9	56.4	4
19	52.43	36	62.9	10	6.98	10	69.7	2	4.29	20	79.6	10	45.83	8	56.8	4
29	52.07	32	61.9	14	6.88	8	69.5	4	4.09	17	78.6	15	45.75	6	57.2	3
Juli 9	51.75	29	60.5	18	6.80	6	69.1	7	3.92	15	77.1	17	45.69	4	57.5	1
19	51.46	23	58.7	22	6.74	3	68.4	9	3.77	12	75.4	21	45.65	3	57.6	1
29	51.23	18	56.5	25	6.71	0	67.5	12	3.65	9	73.3	23	45.62	0	57.7	1
Aug. 8	51.05	11	54.0	28	6.71	2	66.3	13	3.56	4	71.0	24	45.62	2	57.6	2
18	50.94	4	51.2	28	6.73	5	65.0	16	3.52	0	68.6	26	45.64	4	57.4	4
28	50.90	6	48.4	32	6.78	9	63.4	19	3.52	6	66.0	27	45.68	8	57.0	6
Sept. 7	50.96	14	45.2	27	6.87	13	61.5	20	3.58	11	63.3	23	45.76	11	56.4	8
17	51.10	22	42.5	26	7.00	15	59.5	21	3.69	18	61.0	21	45.87	15	55.6	11
27	51.32	32	39.9	22	7.15	20	57.4	23	3.87	23	58.9	17	46.02	17	54.5	12
Okt. 7	51.64	39	37.7	18	7.35	24	55.1	23	4.10	28	57.2	13	46.19	22	53.3	15
17	52.03	47	35.9	12	7.59	28	52.8	23	4.38	33	55.9	9	46.41	24	51.8	17
27	52.50	53	34.7	7	7.87	31	50.5	24	4.71	38	55.0	2	46.65	28	50.1	19
Nov. 6	53.03	57	34.0	1	8.18	34	48.1	23	5.09	42	54.8	3	46.93	31	48.2	20
16	53.60	60	33.9	6	8.52	36	45.8	22	5.51	44	55.1	9	47.24	33	46.2	21
26	54.20	61	34.5	12	8.88	38	43.6	20	5.95	44	56.0	16	47.57	34	44.1	21
Dez. 6	54.81	59	35.7	18	9.26	38	41.6	17	6.39	45	57.6	20	47.91	35	42.0	21
16	55.40	57	37.5	24	9.64	38	39.9	14	6.84	42	59.6	25	48.26	33	39.9	20
26	55.97	52	39.9	29	10.02	35	38.5	11	7.26	39	62.1	29	48.59	32	37.9	18
36	56.49		42.8		10.37		37.4		7.65		65.0		48.91		36.1	
Mittl. Ort	53.16		37.0		5.21		68.2		3.98		56.2		44.30		61.9	
sec δ, tg δ	2.277		−2.046		1.168		+0.604		1.523		−1.149		1.019		+0.194	

1914	415) ι Velorum. AR.	Δ	Dekl. −	Δ	416) β Ursae maj. AR.	Δ	Dekl. +	Δ	417) α Ursae maj. AR.	Δ	Dekl. +	Δ	418) χ Leonis. AR.	Δ	Dekl. +	Δ
	10h 56m		41° 45′		10h 56m		56° 50′		10h 58m		62° 12′		11h 0m		7° 47′	
Jan. 0	12.84	36	39.8	30	41.79	50	21.6	0	28.40	57	39.5	2	35.79	31	61.0	19
10	13.20	31	42.8	32	42.29	45	21.6	6	28.97	51	39.7	7	36.10	29	59.1	16
20	13.51	27	46.0	33	42.74	39	22.2	10	29.48	44	40.4	13	36.39	24	57.5	14
30	13.78	21	49.3	34	43.13	31	23.2	15	29.92	35	41.7	17	36.63	20	56.1	12
Febr. 9	13.99	15	52.7	33	43.44	24	24.7	19	30.27	27	43.4	21	36.83	16	54.9	8
19	14.14	10	56.0	32	43.68	15	26.6	22	30.54	17	45.5	23	36.99	11	54.1	6
März 1	14.24	4	59.2	30	43.83	7	28.8	23	30.71	8	47.8	26	37.10	6	53.5	3
11	14.28	0	62.2	28	43.90	1	31.1	24	30.79	2	50.4	26	37.16	3	53.2	0
21	14.28	5	65.0	26	43.89	7	33.5	25	30.77	10	53.0	25	37.19	2	53.2	1
31	14.23	9	67.6	22	43.82	14	36.0	22	30.67	17	55.5	24	37.17	4	53.3	3
April 10	14.14	11	69.8	18	43.68	19	38.2	20	30.50	24	57.9	21	37.13	7	53.6	5
20	14.03	14	71.6	15	43.49	23	40.2	17	30.26	28	60.0	18	37.06	8	54.1	5
30	13.89	16	73.1	11	43.26	25	41.9	15	29.98	31	61.8	14	36.98	10	54.6	5
Mai 10	13.73	17	74.2	7	43.01	27	43.4	9	29.67	33	63.2	9	36.88	10	55.1	6
20	13.56	17	74.9	3	42.74	27	44.3	5	29.34	34	64.1	5	36.78	10	55.7	6
30	13.39	18	75.2	2	42.47	27	44.8	1	29.00	33	64.6	0	36.68	10	56.3	6
Juni 9	13.21	16	75.0	5	42.20	24	44.9	4	28.67	31	64.6	5	36.58	9	56.9	5
19	13.05	16	74.5	9	41.96	23	44.5	9	28.36	28	64.1	9	36.49	8	57.4	4
29	12.89	15	73.6	13	41.73	19	43.6	12	28.08	25	63.2	15	36.41	7	57.8	4
Juli 9	12.74	12	72.3	16	41.54	16	42.4	16	27.83	21	61.7	18	36.34	6	58.2	3
19	12.62	11	70.7	19	41.38	12	40.8	20	27.62	16	59.9	21	36.28	3	58.5	2
29	12.51	7	68.8	20	41.26	8	38.8	23	27.46	11	57.8	25	36.25	2	58.7	1
Aug. 8	12.44	4	66.8	22	41.18	3	36.5	26	27.35	5	55.3	29	36.23	0	58.8	0
18	12.40	0	64.6	23	41.15	2	33.9	28	27.30	0	52.4	30	36.23	3	58.8	3
28	12.40	5	62.3	24	41.17	7	31.1	33	27.30	7	49.4	35	36.26	6	58.5	4
Sept. 7	12.45	9	59.9	21	41.24	13	27.8	32	27.37	14	45.9	34	36.32	9	58.1	7
17	12.54	15	57.8	18	41.37	19	24.6	32	27.51	20	42.5	34	36.41	12	57.4	8
27	12.69	19	56.0	15	41.56	24	21.4	33	27.71	28	39.1	34	36.53	16	56.6	12
Okt. 7	12.88	25	54.5	11	41.80	31	18.1	32	27.99	34	35.7	33	36.69	20	55.4	13
17	13.13	29	53.4	6	42.11	37	14.9	30	28.33	40	32.4	31	36.89	24	54.1	16
27	13.42	34	52.8	1	42.48	41	11.9	29	28.73	47	29.3	29	37.13	26	52.5	18
Nov. 6	13.76	37	52.7	4	42.89	46	9.0	25	29.20	52	26.4	26	37.39	30	50.7	19
16	14.13	39	53.1	10	43.35	50	6.5	23	29.72	57	23.8	22	37.69	32	48.8	21
26	14.52	41	54.1	15	43.85	53	4.2	18	30.29	59	21.6	18	38.01	34	46.7	22
Dez. 6	14.93	41	55.6	20	44.38	53	2.4	13	30.88	60	19.8	12	38.35	34	44.5	21
16	15.34	40	57.6	24	44.91	53	1.1	8	31.48	60	18.6	7	38.69	34	42.4	21
26	15.74	37	60.0	28	45.44	50	0.3	3	32.08	58	17.9	2	39.03	32	40.3	19
36	16.11		62.8		45.94		0.0		32.66		17.7		39.35		38.4	
Mittl. Ort	12.34		52.0		39.65		37.0		25.88		55.8		34.92		64.2	
sec δ, tg δ	1.341		−0.893		1.828		+1.531		2.145		+1.898		1.009		+0.137	

1914	420) ψ Ursae maj. AR.		420) Dekl. +		421) β Crateris. AR.		421) Dekl. —		422) δ Leonis. AR.		422) Dekl. +		423) ϑ Leonis. AR.		423) Dekl. +	
	11h 4m		44° 57′		11h 7m		22° 21′		11h 9m		20° 59′		11h 9m		15° 53′	
Jan. 0	51.60		41.3		26.15		15.6		33.21		34.5		44.65		53.1	
10	52.01	41	40.8	5	26.47	32	18.3	27	33.54	33	33.0	15	44.98	33	51.5	16
20	52.38	37	40.8	0	26.76	29	21.0	27	33.85	31	31.9	11	45.28	30	50.1	14
30	52.71	33	41.2	4	27.01	25	23.7	27	34.12	27	31.1	8	45.54	26	49.1	10
Febr. 9	52.98	27	42.1	9	27.21	20	26.3	26	34.34	22	30.7	4	45.75	21	48.4	7
19	53.18	20	43.4	13	27.37	16	28.8	25	34.52	18	30.6	1	45.92	17	48.0	4
März 1	53.32	14	45.0	16	27.48	11	31.2	24	34.64	12	30.9	3	46.05	13	48.0	0
11	53.40	8	46.8	18	27.55	7	33.3	21	34.72	8	31.4	5	46.12	7	48.2	2
21	53.42	2	48.7	19	27.58	3	35.1	18	34.75	3	32.1	7	46.15	3	48.6	4
31	53.39	3	50.7	20	27.56	2	36.7	16	34.74	1	33.0	9	46.15	0	49.2	6
April 10	53.30	9	52.7	20	27.52	4	38.0	13	34.70	4	33.9	9	46.11	4	49.9	7
20	53.18	12	54.5	18	27.45	7	39.1	11	34.63	7	34.9	10	46.05	6	50.7	8
30	53.03	15	56.1	16	27.36	9	39.8	7	34.55	8	36.0	11	45.96	9	51.6	9
Mai 10	52.86	17	57.5	14	27.26	10	40.3	5	34.44	11	36.9	9	45.87	9	52.4	8
20	52.68	18	58.6	11	27.15	11	40.5	2	34.33	11	37.8	9	45.76	11	53.1	7
30	52.49	19	59.3	7	27.03	12	40.4	1	34.22	11	38.5	7	45.66	10	53.8	7
Juni 9	52.31	18	59.6	3	26.92	11	40.0	4	34.11	11	39.1	6	45.56	10	54.4	6
19	52.14	17	59.6	0	26.81	11	39.4	6	34.01	10	39.5	4	45.46	10	54.9	5
29	51.99	15	59.1	5	26.71	10	38.6	8	33.91	10	39.7	2	45.37	9	55.2	3
Juli 9	51.86	13	58.4	7	26.61	10	37.6	10	33.83	8	39.7	0	45.29	8	55.4	2
19	51.75	11	57.3	11	26.53	8	36.4	12	33.77	6	39.5	2	45.23	6	55.4	0
29	51.66	9	55.8	15	26.47	6	35.0	14	33.72	5	39.1	4	45.18	5	55.3	1
Aug. 8	51.61	5	54.1	17	26.43	4	33.6	14	33.69	3	38.6	5	45.16	2	54.9	4
18	51.59	2	52.0	21	26.41	2	32.2	14	33.68	1	37.8	8	45.15	1	54.4	5
28	51.61	2	49.8	22	26.42	1	30.8	14	33.70	2	36.8	10	45.17	2	53.7	7
Sept. 7	51.66	5	47.3	25	26.46	4	29.5	13	33.75	5	35.6	12	45.22	5	52.8	9
17	51.77	11	44.3	30	26.54	8	28.3	12	33.85	10	34.0	16	45.30	8	51.6	12
27	51.91	14	41.5	28	26.66	12	27.5	8	33.97	12	32.4	16	45.42	12	50.2	14
Okt. 7	52.11	20	38.6	29	26.82	16	26.9	6	34.12	15	30.6	18	45.58	16	48.7	15
17	52.35	24	35.7	29	27.03	21	26.7	2	34.32	20	28.6	20	45.77	19	46.9	18
27	52.64	29	32.8	29	27.27	24	26.8	1	34.56	24	26.4	22	46.00	23	45.0	19
Nov. 6	52.97	33	30.0	28	27.55	28	27.4	6	34.83	27	24.1	23	46.27	27	42.9	21
16	53.34	37	27.4	26	27.86	31	28.5	11	35.13	30	21.8	23	46.57	30	40.7	22
26	53.75	41	25.0	24	28.20	34	29.9	14	35.46	33	19.6	22	46.89	32	38.4	23
Dez. 6	54.17	42	22.9	21	28.55	35	31.7	18	35.81	35	17.4	22	47.24	35	36.2	22
16	54.61	44	21.2	17	28.91	36	33.8	21	36.17	36	15.3	21	47.59	35	34.1	21
26	55.04	43	20.0	12	29.26	35	36.2	24	36.53	36	13.4	19	47.93	34	32.1	20
36	55.47	43	19.2	8	29.59	33	38.8	26	36.87	34	11.8	16	48.27	34	30.4	17
Mittl. Ort	50.05		55.1		25.59		21.9		32.22		42.2		43.73		59.3	
sec δ, tg δ	1.413		+ 0.999		1.081		—0.411		1.071		+0.384		1.040		+ 0.285	

1914	425) ν Ursae maj. AR.		Dekl. +		426) δ Crateris. AR.		Dekl. −		427) σ Leonis. AR.		Dekl. +		428) π Centauri. AR.		Dekl. −	
	11ʰ 13ᵐ		33° 33′		11ʰ 15ᵐ		14° 18′		11ʰ 16ᵐ		6° 29′		11ʰ 17ᵐ		54° 0′	
Jan. 0	51.44	37	37.8	10	2.96	32	43.3	25	42.93	32	59.4	19	5.06	43	55.8	27
10	51.81	33	36.8	6	3.28	29	45.8	24	43.25	29	57.5	18	5.49	39	58.5	32
20	52.14	30	36.2	2	3.57	25	48.2	24	43.54	26	55.7	15	5.88	34	61.7	34
30	52.44	24	36.0	2	3.82	21	50.6	23	43.80	21	54.2	12	6.22	27	65.1	35
Febr. 9	52.68	20	36.2	6	4.03	17	52.9	21	44.01	18	53.0	9	6.49	20	68.6	36
19	52.88	14	36.8	10	4.20	12	55.0	19	44.19	12	52.1	7	6.69	14	72.2	36
März 1	53.02	8	37.8	12	4.32	7	56.9	16	44.31	8	51.4	4	6.83	8	75.8	35
11	53.10	4	39.0	14	4.39	4	58.5	14	44.39	4	51.0	1	6.91	1	79.3	34
21	53.14	1	40.4	16	4.43	0	59.9	11	44.43	1	50.9	1	6.92	4	82.7	31
31	53.13	6	42.0	16	4.43	3	61.0	9	44.44	3	51.0	2	6.88	10	85.8	28
April 10	53.07	8	43.6	15	4.40	6	61.9	7	44.41	6	51.2	4	6.78	13	88.6	25
20	52.99	11	45.1	14	4.34	7	62.6	4	44.35	7	51.6	5	6.65	17	91.1	21
30	52.88	12	46.5	12	4.27	9	63.0	2	44.28	9	52.1	5	6.48	19	93.2	16
Mai 10	52.76	14	47.7	11	4.18	10	63.2	1	44.19	9	52.6	6	6.29	23	94.8	13
20	52.62	14	48.8	8	4.08	11	63.1	2	44.10	9	53.2	6	6.06	24	96.1	8
30	52.48	14	49.6	5	3.97	10	62.9	4	44.01	10	53.8	6	5.82	24	96.9	3
Juni 9	52.34	13	50.1	3	3.87	10	62.5	6	43.91	9	54.4	6	5.58	24	97.2	2
19	52.21	11	50.4	0	3.77	9	61.9	8	43.82	9	55.0	5	5.34	24	97.0	6
29	52.10	11	50.4	4	3.68	9	61.1	8	43.73	7	55.5	4	5.10	23	96.4	10
Juli 9	51.99	8	50.0	6	3.59	7	60.3	10	43.66	7	55.9	4	4.87	21	95.4	15
19	51.91	7	49.4	9	3.52	6	59.3	11	43.59	5	56.3	3	4.66	18	93.9	18
29	51.84	4	48.5	12	3.46	4	58.2	10	43.54	3	56.6	1	4.48	14	92.1	22
Aug. 8	51.80	2	47.3	14	3.42	2	57.2	11	43.51	1	56.7	0	4.34	11	89.9	23
18	51.78	1	45.9	17	3.40	1	56.1	10	43.50	1	56.7	2	4.23	6	87.6	25
28	51.79	5	44.2	19	3.41	4	55.1	8	43.51	4	56.5	3	4.17	0	85.1	27
Sept. 7	51.84	8	42.3	24	3.45	8	54.3	8	43.55	8	56.2	6	4.17	7	82.4	27
17	51.92	12	39.9	23	3.53	11	53.5	4	43.63	11	55.6	8	4.24	13	79.7	23
27	52.04	17	37.6	24	3.64	15	53.1	1	43.74	14	54.8	11	4.37	20	77.4	21
Okt. 7	52.21	20	35.2	26	3.79	19	53.0	1	43.88	19	53.7	13	4.57	27	75.3	17
17	52.41	25	32.6	26	3.98	22	53.1	6	44.07	22	52.4	16	4.84	33	73.6	13
27	52.66	29	30.0	26	4.20	27	53.7	9	44.29	26	50.8	17	5.17	38	72.3	8
Nov. 6	52.95	33	27.4	26	4.47	30	54.6	12	44.55	29	49.1	20	5.55	44	71.5	2
16	53.28	35	24.8	24	4.77	32	55.8	16	44.84	31	47.1	21	5.99	46	71.3	4
26	53.63	38	22.4	22	5.09	34	57.4	19	45.15	34	45.0	21	6.45	49	71.7	10
Dez. 6	54.01	39	20.2	20	5.43	34	59.3	21	45.49	34	42.9	22	6.94	50	72.7	16
16	54.40	38	18.2	16	5.77	35	61.4	24	45.83	34	40.7	21	7.44	48	74.3	21
26	54.78	38	16.6	13	6.12	33	63.8	24	46.17	33	38.6	21	7.92	46	76.4	26
36	55.16		15.3		6.45		66.2		46.50		36.5		8.38		79.0	
Mittl. Ort	50.25		49.3		2.38		46.8		42.16		62.9		4.82		70.5	
sec δ, tg δ	1.200		+0.664		1.032		−0.255		1.006		+0.114		1.702		−1.378	

1914	429) Gr. 1771.				433) λ Draconis.				434) ξ Hydrae.				436) λ Centauri.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. −	
	11h 17m		64° 47′		11h 26m		69° 47′		11h 28m		31° 22′		11h 31m		62° 32′	
Jan. 0	47.88	62	46.9	0	21.75	74	62.0	1	46.49	35	45.4	27	48.44	54	21.7	26
10	48.50	57	46.9	6	22.49	69	62.1	7	46.84	32	48.1	28	48.98	49	24.3	30
20	49.07	50	47.5	12	23.18	61	62.8	12	47.16	28	50.9	30	49.47	42	27.3	33
30	49.57	42	48.7	17	23.79	51	64.0	18	47.44	23	53.9	29	49.89	35	30.6	36
Febr. 9	49.99	33	50.4	21	24.30	40	65.8	22	47.67	19	56.8	28	50.24	27	34.2	37
19	50.32	22	52.5	24	24.70	28	68.0	25	47.86	14	59.6	28	50.51	19	37.9	38
März 1	50.54	12	54.9	26	24.98	16	70.5	27	48.00	9	62.4	26	50.70	11	41.7	37
11	50.66	2	57.5	27	25.14	2	73.2	29	48.09	4	65.0	23	50.81	4	45.4	36
21	50.68	8	60.2	27	25.16	9	76.1	28	48.13	0	67.3	21	50.85	4	49.0	35
31	50.60	16	62.9	25	25.07	19	78.9	26	48.13	3	69.4	19	50.81	11	52.5	32
April 10	50.44	23	65.4	23	24.88	29	81.5	25	48.10	5	71.3	15	50.70	16	55.7	28
20	50.21	29	67.7	20	24.59	37	84.0	21	48.05	8	72.8	13	50.54	21	58.5	25
30	49.92	34	69.7	16	24.22	42	86.1	17	47.97	11	74.1	9	50.33	25	61.0	21
Mai 10	49.58	36	71.3	12	23.80	46	87.8	12	47.86	11	75.0	5	50.08	29	63.1	17
20	49.22	37	72.5	6	23.34	49	89.0	8	47.75	12	75.5	3	49.79	31	64.8	12
30	48.85	38	73.1	2	22.85	49	89.8	2	47.63	13	75.8	1	49.48	33	66.0	6
Juni 9	48.47	36	73.3	3	22.36	48	90.0	3	47.50	13	75.7	4	49.15	34	66.6	2
19	48.11	34	73.0	8	21.88	45	89.7	9	47.37	13	75.3	7	48.81	33	66.8	3
29	47.77	31	72.2	13	21.43	42	88.8	14	47.24	12	74.6	9	48.48	33	66.5	8
Juli 9	47.46	27	70.9	17	21.01	38	87.4	18	47.12	11	73.7	12	48.15	31	65.7	13
19	47.19	22	69.2	22	20.63	32	85.6	22	47.01	9	72.5	14	47.84	28	64.4	17
29	46.97	17	67.0	25	20.31	25	83.4	26	46.92	7	71.1	16	47.56	23	62.7	21
Aug. 8	46.80	11	64.5	28	20.06	18	80.8	29	46.85	5	69.5	17	47.33	19	60.6	24
18	46.69	5	61.7	30	19.88	11	77.9	32	46.80	2	67.8	17	47.14	12	58.2	26
28	46.64	1	58.7	33	19.77	2	74.7	34	46.78	1	66.1	17	47.02	5	55.6	27
Sept. 7	46.65	10	55.4	38	19.75	8	71.3	39	46.79	6	64.4	18	46.97	4	52.9	30
17	46.75	16	51.6	36	19.83	16	67.4	37	46.85	10	62.6	13	47.01	12	49.9	27
27	46.91	25	48.0	35	19.99	26	63.7	37	46.95	14	61.3	11	47.13	21	47.2	24
Okt. 7	47.16	32	44.5	35	20.25	36	60.0	36	47.09	20	60.2	8	47.34	29	44.8	21
17	47.48	40	41.0	33	20.61	44	56.4	34	47.29	23	59.4	3	47.63	38	42.7	17
27	47.88	47	37.7	31	21.05	53	53.0	32	47.52	28	59.1	1	48.01	46	41.0	12
Nov. 6	48.35	53	34.6	28	21.58	61	49.8	29	47.80	32	59.2	5	48.47	51	39.8	7
16	48.88	58	31.8	24	22.19	68	46.9	25	48.12	35	59.7	10	48.98	56	39.1	0
26	49.46	62	29.4	19	22.87	73	44.4	20	48.47	37	60.7	15	49.54	59	39.1	6
Dez. 6	50.08	65	27.5	15	23.60	76	42.4	14	48.84	38	62.2	19	50.13	60	39.7	12
16	50.73	64	26.0	9	24.36	77	41.0	8	49.22	38	64.1	22	50.73	59	40.9	18
26	51.37	62	25.1	2	25.13	75	40.2	3	49.60	36	66.3	26	51.32	56	42.7	23
36	51.99		24.9		25.88		39.9		49.96		68.9		51.88		45.0	
Mittl. Ort	45.37		64.8		18.79		81.0		46.14		54.0		48.48		38.0	
sec δ, tg δ	2.349		+ 2.125		2.897		+ 2.719		1.171		−0.610		2.169		−1.925	

1914	437) ϑ Leonis. AR.		Dekl. −		440) 3 Draconis. AR.		Dekl. +		441) χ Ursae maj. AR.		Dekl. +		444) β Leonis. AR.		Dekl. +	
	$11^h\,32^m$		0° 20′		$11^h\,37^m$		67° 12′		$11^h\,41^m$		48° 14′		$11^h\,44^m$		15° 2′	
Jan. 0	33.33	33	57.8	21	43.71	68	56.2	2	32.23	44	66.0	8	41.16	34	62.8	18
10	33.66	29	59.9	21	44.39	63	56.0	5	32.67	41	65.2	2	41.50	31	61.0	16
20	33.95	27	62.0	18	45.02	57	56.5	10	33.08	37	65.0	3	41.81	28	59.4	12
30	34.22	23	63.8	16	45.59	48	57.5	16	33.45	33	65.3	8	42.09	25	58.2	8
Febr. 9	34.45	18	65.4	14	46.07	39	59.1	21	33.78	26	66.1	12	42.34	20	57.4	6
19	34.63	14	66.8	10	46.46	28	61.2	24	34.04	19	67.3	16	42.54	16	56.8	2
März 1	34.77	10	67.8	9	46.74	17	63.6	26	34.23	13	68.9	19	42.70	11	56.6	2
11	34.87	5	68.7	5	46.91	7	66.2	28	34.36	7	70.8	21	42.81	6	56.8	3
21	34.92	2	69.2	4	46.98	5	69.0	28	34.43	1	72.9	23	42.87	3	57.1	6
31	34.94	1	69.6	1	46.93	15	71.8	27	34.44	5	75.2	22	42.90	0	57.7	8
April 10	34.93	4	69.7	1	46.78	23	74.5	25	34.39	9	77.4	21	42.90	4	58.5	8
20	34.89	6	69.6	2	46.55	30	77.0	22	34.30	14	79.5	20	42.86	6	59.3	9
30	34.83	8	69.4	3	46.25	35	79.2	18	34.16	16	81.5	17	42.80	7	60.2	9
Mai 10	34.75	8	69.1	4	45.90	39	81.0	14	34.00	18	83.2	15	42.73	9	61.1	9
20	34.67	9	68.7	5	45.51	41	82.4	9	33.82	19	84.7	10	42.64	10	62.0	8
30	34.58	9	68.2	6	45.10	43	83.3	4	33.63	20	85.7	7	42.54	10	62.8	7
Juni 9	34.49	9	67.6	6	44.67	42	83.7	2	33.43	20	86.4	2	42.44	10	63.5	6
19	34.40	9	67.0	6	44.25	40	83.5	6	33.23	19	86.6	1	42.34	9	64.1	4
29	34.31	8	66.4	5	43.85	38	82.9	12	33.04	18	86.5	6	42.25	9	64.5	3
Juli 9	34.23	8	65.9	6	43.47	34	81.7	16	32.86	15	85.9	9	42.16	9	64.8	2
19	34.15	6	65.3	5	43.13	30	80.1	20	32.71	14	85.0	14	42.07	7	65.0	1
29	34.09	4	64.8	5	42.83	24	78.1	25	32.57	11	83.6	17	42.00	5	64.9	2
Aug. 8	34.05	2	64.3	3	42.59	19	75.6	27	32.46	8	81.9	20	41.95	4	64.7	4
18	34.03	1	64.0	2	42.40	11	72.9	31	32.38	4	79.9	23	41.91	2	64.3	7
28	34.02	3	63.8	1	42.29	5	69.8	34	32.34	1	77.6	26	41.89	2	63.6	8
Sept. 7	34.05	6	63.7	2	42.24	3	66.4	35	32.33	4	75.0	29	41.91	4	62.8	11
17	[16] 34.11	9	63.9	4	[17] 42.27	14	62.9	39	[18] 32.37	10	72.1	33	[19] 41.95	8	61.7	14
27	34.20	13	64.3	6	42.41	20	59.0	37	32.47	14	68.8	31	42.03	12	60.3	16
Okt. 7	34.33	17	64.9	10	42.61	29	55.3	36	32.61	20	65.7	32	42.15	16	58.7	18
17	34.50	21	65.9	12	42.90	38	51.7	35	32.81	25	62.5	32	42.31	19	56.9	20
27	34.71	24	67.1	14	43.28	46	48.2	33	33.06	30	59.3	31	42.50	24	54.9	21
Nov. 6	34.95	28	68.5	18	43.74	53	44.9	30	33.36	35	56.2	30	42.74	28	52.8	22
16	35.23	31	70.3	19	44.27	60	41.9	26	33.71	40	53.2	27	43.02	30	50.6	24
26	35.54	33	72.2	21	44.87	65	39.3	22	34.11	42	50.5	24	43.32	33	48.2	23
Dez. 6	35.87	34	74.3	22	45.52	68	37.1	16	34.53	44	48.1	20	43.65	35	45.9	23
16	36.21	34	76.5	22	46.20	70	35.5	11	34.97	45	46.1	16	44.00	35	43.6	21
26	36.55	33	78.7	22	46.90	69	34.4	5	35.42	45	44.5	11	44.35	34	41.5	19
36	36.88		80.9		47.59		33.9		35.87		43.4		44.69		39.6	
Mittl. Ort	32.73		56.0		41.23		75.6		30.87		82.6		40.46		70.3	
sec δ, tg δ	1.000		−0.006		2.583		+2.381		1.502		+1.121		1.036		+0.269	

1914	445) β Virginis. AR.		Dekl. +		447) γ Ursae maj. AR.		Dekl. +		450) ο Virginis. AR.		Dekl. +		452) δ Centauri. AR.		Dekl. −	
	11h 46m		2° 14′		11h 49m		54° 9′		12h 0m		9° 12′		12h 3m		50° 14′	
	s		″		s		″		s		″		s		″	
Jan. 0	13.49	33	54.5	21	20.29	49	64.4	8	50.27	34	31.8	20	53.59	45	23.4	24
10	13.82	31	52.4	20	20.78	46	63.6	2	50.61	32	29.8	17	54.04	42	25.8	27
20	14.13	27	50.4	17	21.24	42	63.4	4	50.93	29	28.1	15	54.46	38	28.5	30
30	14.40	24	48.7	15	21.66	37	63.8	9	51.22	25	26.6	12	54.84	32	31.5	32
Febr. 9	14.64	20	47.2	12	22.03	30	64.7	14	51.47	21	25.4	9	55.16	28	34.7	33
19	14.84	16	46.0	10	22.33	22	66.1	19	51.68	17	24.5	6	55.44	21	38.0	34
März 1	15.00	11	45.0	7	22.55	15	68.0	21	51.85	12	23.9	2	55.65	15	41.4	33
11	15.11	7	44.3	4	22.70	8	70.1	24	51.97	9	23.7	0	55.80	10	44.7	32
21	15.18	4	43.9	2	22.78	2	72.5	24	52.06	5	23.7	3	55.90	5	47.9	31
31	15.22	0	43.7	1	22.80	6	74.9	25	52.11	1	24.0	4	55.95	0	51.0	28
April 10	15.22	3	43.8	2	22.74	11	77.4	23	52.12	2	24.4	6	55.95	5	53.8	25
20	15.19	5	44.0	3	22.63	15	79.7	22	52.10	4	25.0	7	55.90	8	56.3	23
30	15.14	6	44.3	4	22.48	19	81.9	19	52.06	6	25.7	8	55.82	12	58.6	19
Mai 10	15.08	8	44.7	5	22.29	22	83.8	15	52.00	8	26.5	7	55.70	15	60.5	15
20	15.00	8	45.2	6	22.07	23	85.3	12	51.92	8	27.2	7	55.55	16	62.0	11
30	14.92	9	45.8	5	21.84	24	86.5	7	51.84	9	27.9	8	55.39	19	63.1	7
Juni 9	14.83	9	46.3	6	21.60	25	87.2	3	51.75	9	28.7	6	55.20	20	63.8	3
19	14.74	9	46.9	6	21.35	23	87.5	1	51.66	10	29.3	5	55.00	20	64.1	2
29	14.65	9	47.5	5	21.12	22	87.4	7	51.56	9	29.8	5	54.80	21	63.9	6
Juli 9	14.56	7	48.0	5	20.90	21	86.7	10	51.47	8	30.3	3	54.59	20	63.3	10
19	14.49	7	48.5	4	20.69	17	85.7	15	51.39	8	30.6	2	54.39	19	62.3	13
29	14.42	5	48.9	3	20.52	15	84.2	18	51.31	6	30.8	1	54.20	17	61.0	17
Aug. 8	14.37	3	49.2	2	20.37	11	82.4	22	51.25	5	30.9	2	54.03	14	59.3	20
18	14.34	2	49.4	1	20.26	7	80.2	25	51.20	3	30.7	3	53.89	10	57.3	22
28	14.32	1	49.5	1	20.19	3	77.7	29	51.17	0	30.4	5	53.79	5	55.1	23
Sept. 7	14.33	5	49.4	3	20.16	2	74.8	30	51.17	2	29.9	7	53.74	1	52.8	23
17	14.38	8	49.1	6	20.18	9	71.8	35	51.19	7	29.2	11	53.73	6	50.5	25
27	[19] 14.46	12	48.5	8	[20] 20.27	14	68.3	34	[23] 51.26	10	28.1	12	[24] 53.79	13	48.0	21
Okt. 7	14.58	16	47.7	11	20.41	20	64.9	34	51.36	14	26.9	14	53.92	19	45.9	18
17	14.74	19	46.6	14	20.61	26	61.5	34	51.50	18	25.5	17	54.11	25	44.1	15
27	14.93	24	45.2	16	20.87	31	58.1	33	51.68	22	23.8	19	54.36	32	42.6	10
Nov. 6	15.17	27	43.6	18	21.18	38	54.8	31	51.90	26	21.9	21	54.68	37	41.6	5
16	15.44	31	41.8	20	21.56	42	51.7	28	52.16	30	19.8	22	55.05	42	41.1	0
26	15.75	32	39.8	22	21.98	46	48.9	25	52.46	32	17.6	23	55.47	44	41.1	6
Dez. 6	16.07	34	37.6	22	22.44	49	46.4	20	52.78	34	15.3	22	55.91	47	41.7	11
16	16.41	35	35.4	22	22.93	50	44.4	16	53.12	34	13.1	23	56.38	47	42.8	17
26	16.76	33	33.2	22	23.43	50	42.8	11	53.46	34	10.8	21	56.85	47	44.5	21
36	17.09		31.0		23.93		41.7		53.80		8.7		57.32		46.6	
Mittl. Ort	12.93		57.7		18.79		82.4		49.73		38.0		53.73		36.4	
sec δ, tg δ	1.001		+0.039		1.708		+1.385		1.013		+0.162		1.564		−1.202	

1914	453) ε Corvi. AR.		Dekl. —		454) 4 H. Dracon. AR.		Dekl. +		456) δ Ursae maj. AR.		Dekl. +		459) β Chamael. AR.		Dekl. —	
	12h 5m		22° 8′		12h 8m		78° 4′		12h 11m		57° 29′		12h 13m		78° 49′	
Jan. 0	42.16	34	24.8	24	14.75	119	76.8	2	11.95	53	77.5	9	14.79	123	47.5	18
10	42.50	33	27.2	25	15.94	113	76.6	3	12.48	50	76.6	2	16.02	114	49.3	23
20	42.83	30	29.7	25	17.07	105	76.9	11	12.98	47	76.4	3	17.16	104	51.6	28
30	43.13	26	32.2	25	18.12	92	78.0	16	13.45	41	76.7	9	18.20	89	54.4	32
Febr. 9	43.39	22	34.7	24	19.04	77	79.6	21	13.86	35	77.6	14	19.09	74	57.6	35
19	43.61	18	37.1	22	19.81	58	81.7	25	14.21	27	79.0	19	19.83	57	61.1	37
März 1	43.79	13	39.3	21	20.39	39	84.2	28	14.48	20	80.9	22	20.40	41	64.8	39
11	43.92	9	41.4	19	20.78	20	87.0	30	14.68	12	83.1	25	20.81	23	68.7	39
21	44.01	5	43.3	16	20.98	2	90.0	30	14.80	4	85.6	26	21.04	6	72.6	38
31	44.06	2	44.9	14	20.96	21	93.0	30	14.84	3	88.2	26	21.10	10	76.4	38
April 10	44.08	1	46.3	11	20.75	38	96.0	28	14.81	9	90.8	26	21.00	27	80.2	35
20	44.07	4	47.4	9	20.37	54	98.8	24	14.72	15	93.4	23	20.73	41	83.7	33
30	44.03	6	48.3	6	19.83	67	101.2	21	14.57	19	95.7	21	20.32	53	87.0	29
Mai 10	43.97	7	48.9	4	19.16	77	103.3	16	14.38	23	97.8	18	19.79	66	89.9	25
20	43.90	9	49.3	2	18.39	85	104.9	12	14.15	25	99.6	13	19.13	76	92.4	21
30	43.81	10	49.5	1	17.54	89	106.1	6	13.90	27	100.9	9	18.37	84	94.5	17
Juni 9	43.71	10	49.4	3	16.65	91	106.7	1	13.63	28	101.8	4	17.53	89	96.2	10
19	43.61	11	49.1	5	15.74	90	106.8	6	13.35	27	102.2	1	16.64	94	97.2	6
29	43.50	10	48.6	7	14.84	87	106.2	10	13.08	27	102.3	4	15.70	95	97.8	0
Juli 9	43.40	10	47.9	9	13.97	82	105.2	16	12.81	25	101.9	11	14.75	93	97.8	6
19	43.30	10	47.0	10	13.15	75	103.6	21	12.56	23	100.8	15	13.82	88	97.2	11
29	43.20	8	46.0	11	12.40	65	101.5	24	12.33	20	99.3	18	12.94	80	96.1	16
Aug. 8	43.12	6	44.9	12	11.75	56	99.1	29	12.13	17	97.5	22	12.14	70	94.5	21
18	43.06	5	43.7	13	11.19	43	96.2	32	11.96	12	95.3	26	11.44	56	92.4	24
28	43.01	2	42.4	11	10.76	31	93.0	35	11.84	8	92.7	28	10.88	40	90.0	27
Sept. 7	42.99	2	41.3	11	10.45	16	89.5	37	11.76	2	89.9	32	10.48	23	87.3	29
17	43.01	6	40.2	10	10.29	1	85.8	42	11.74	3	86.7	37	10.25	0	84.4	30
27	43.07	11	39.2	6	10.28	16	81.6	39	11.77	10	83.0	35	10.25	24	81.4	32
Okt. 7	43.18	14	38.6	4	10.44	32	77.7	38	11.87	16	79.5	35	10.49	43	78.2	28
17	43.32	20	38.2	0	10.76	49	73.9	37	12.03	24	76.0	36	10.92	63	75.4	25
27	43.52	23	38.2	3	11.25	64	70.2	36	12.27	30	72.4	34	11.55	83	72.9	21
Nov. 6	43.75	28	38.5	7	11.89	79	66.6	32	12.57	36	69.0	33	12.38	100	70.8	16
16	44.03	31	39.2	12	12.68	93	63.4	29	12.93	42	65.7	30	13.38	112	69.2	10
26	44.34	34	40.4	14	13.61	103	60.5	24	13.35	47	62.7	27	14.50	123	68.2	5
Dez. 6	44.68	36	41.8	18	14.64	113	58.1	18	13.82	51	60.0	22	15.73	128	67.7	3
16	45.04	36	43.6	21	15.77	118	56.3	12	14.33	52	57.8	17	17.01	129	68.0	8
26	45.40	36	45.7	23	16.95	119	55.1	6	14.85	53	56.1	12	18.30	126	68.8	15
36	45.76		48.0		18.14		54.5		15.38		54.9		19.56		70.3	
Mittl. Ort	41.95		29.3		11.07		98.7		10.56		97.3		16.65		65.1	
sec δ, tg δ	1.080		−0.407		4.848		+4.744		1.862		+1.570		5.168		−5.070	

1914	460) η Virginis. AR.		Dekl. —		462) α Crucis med. AR.		Dekl. —		466) 20 Comae. AR.		Dekl. +		465) δ Corvi. AR.		Dekl. —	
	$12^h\ 15^m$		0° 11′		$12^h\ 21^m$		62° 37′		$12^h\ 25^m$		21° 21′		$12^h\ 25^m$		16° 2′	
Jan. 0	30.69	34	23.7	21	47.98	60	7.4	20	24.64	36	68.7	19	24.89	35	10.5	23
10	31.03	32	25.8	21	48.58	56	9.4	24	25.00	34	66.8	15	25.24	33	12.8	23
20	31.35	29	27.9	18	49.14	50	11.8	29	25.34	31	65.3	11	25.57	30	15.1	23
30	31.64	26	29.7	17	49.64	45	14.7	32	25.65	28	64.2	7	25.87	27	17.4	23
Febr. 9	31.90	22	31.4	14	50.09	38	17.9	34	25.93	25	63.5	3	26.14	23	19.7	20
19	32.12	18	32.8	11	50.47	32	21.3	35	26.18	20	63.2	0	26.37	20	21.7	20
März 1	32.30	14	33.9	8	50.79	22	24.8	36	26.38	15	63.2	4	26.57	15	23.7	17
11	32.44	10	34.7	5	51.01	16	28.4	36	26.53	11	63.6	8	26.72	11	25.4	15
21	32.54	6	35.2	3	51.17	8	32.0	35	26.64	7	64.4	10	26.83	7	26.9	13
31	32.60	3	35.5	2	51.25	1	35.5	33	26.71	4	65.4	11	26.90	4	28.2	10
April 10	32.63	0	35.7	2	51.26	4	38.8	31	26.75	0	66.5	13	26.94	1	29.2	8
20	32.63	3	35.5	2	51.22	11	41.9	29	26.75	3	67.8	13	26.95	1	30.0	6
30	32.60	4	35.3	4	51.11	16	44.8	25	26.72	6	69.1	13	26.94	4	30.6	4
Mai 10	32.56	6	34.9	4	50.95	21	47.3	21	26.66	7	70.4	12	26.90	5	31.0	2
20	32.50	7	34.5	6	50.74	24	49.4	17	26.59	9	71.6	11	26.85	7	31.2	0
30	32.43	9	33.9	5	50.50	28	51.1	12	26.50	10	72.7	10	26.78	9	31.2	1
Juni 9	32.34	8	33.4	6	50.22	31	52.3	8	26.40	10	73.7	8	26.69	9	31.1	4
19	32.26	9	32.8	6	49.91	32	53.1	3	26.30	11	74.5	6	26.60	10	30.7	5
29	32.17	9	32.2	6	49.59	33	53.4	3	26.19	11	75.1	3	26.50	10	30.2	6
Juli 9	32.08	9	31.6	5	49.26	33	53.1	7	26.08	10	75.4	1	26.40	10	29.6	7
19	31.99	8	31.1	5	48.93	31	52.4	11	25.98	10	75.5	1	26.30	9	28.9	8
29	31.91	8	30.6	4	48.62	30	51.3	16	25.88	9	75.4	4	26.21	9	28.1	9
Aug. 8	31.83	6	30.2	3	48.32	25	49.7	20	25.79	8	75.0	6	26.12	7	27.2	9
18	31.77	4	29.9	2	48.07	20	47.7	23	25.71	5	74.4	9	26.05	6	26.3	9
28	31.73	1	29.7	0	47.87	14	45.4	25	25.66	3	73.5	12	25.99	3	25.4	8
Sept. 7	31.72	1	29.7	2	47.73	7	42.9	26	25.63	1	72.3	14	25.96	0	24.6	8
17	31.73	4	29.9	4	47.66	2	40.3	27	25.62	3	70.9	16	25.96	4	23.8	5
27	31.77	9	30.3	7	47.68	12	37.6	28	25.65	8	69.3	21	26.00	8	23.3	4
Okt. 7	[27] 31.86	13	31.0	9	[29] 47.80	20	34.8	23	[30] 25.73	12	67.2	22	[30] 26.08	13	22.9	0
17	31.99	17	31.9	12	48.00	30	32.5	21	25.85	16	65.0	23	26.21	16	22.9	3
27	32.16	22	33.1	14	48.30	38	30.4	17	26.01	20	62.7	24	26.37	22	23.2	5
Nov. 6	32.38	25	34.5	17	48.68	46	28.7	11	26.21	25	60.3	26	26.59	25	23.7	10
16	32.63	28	36.2	19	49.14	52	27.6	7	26.46	29	57.7	26	26.84	30	24.7	13
26	32.91	32	38.1	21	49.66	58	26.9	0	26.75	32	55.1	26	27.14	32	26.0	15
Dez. 6	33.23	33	40.2	21	50.24	60	26.9	5	27.07	34	52.5	24	27.46	34	27.5	19
16	33.56	34	42.3	23	50.84	62	27.4	12	27.41	35	50.1	23	27.80	36	29.4	19
26	33.90	34	44.6	22	51.46	61	28.6	17	27.76	36	47.8	20	28.16	35	31.3	22
36	34.24		46.8		52.07		30.3		28.12		45.8		28.51		33.5	
Mittl. Ort	30.33		20.2		48.62		22.6		24.12		79.9		24.74		12.3	
sec δ, tg δ	1.000		—0.003		2.175		—1.932		1.074		+0.391		1.041		—0.288	

1914	470) 8 Canum ven. AR.		470) Dekl. +		472) κ Dracon. AR.		472) Dekl. +		471) β Corvi. AR.		471) Dekl. −		473) 24 Comae sq. AR.		473) Dekl. +	
	$12^h\ 29^m$		41° 48′		$12^h\ 29^m$		70° 14′		$12^h\ 29^m$		22° 55′		$12^h\ 30^m$		18° 50′	
	s		″		s		″		s		″		s		″	
Jan. 0	40.49		71.3		51.02		81.4		52.03		12.7		49.49		50.7	
10	40.91	42	69.9	14	51.78	76	80.7	7	52.39	36	14.9	22	49.84	35	48.8	19
20	41.30	39	68.9	10	52.53	75	80.6	1	52.73	34	17.3	24	50.18	34	47.2	16
30	41.67	37	68.5	4	53.23	70	81.1	5	53.04	31	19.7	24	50.49	31	46.0	12
Febr. 9	42.00	33	68.6	1	53.86	63	82.3	12	53.32	28	22.2	25	50.77	28	45.1	9
19	42.29	29	69.3	7	54.40	54	84.0	17	53.57	25	24.5	23	51.02	25	44.6	5
März 1	42.53	24	70.4	11	54.84	44	86.2	22	53.77	20	26.8	23	51.22	20	44.6	0
11	42.71	18	71.9	15	55.15	31	88.7	25	53.93	16	28.9	21	51.38	16	44.8	2
21	42.83	12	73.7	18	55.35	20	91.4	27	54.05	12	30.8	19	51.50	12	45.4	6
31	42.91	8	75.7	20	55.43	8	94.4	30	54.13	8	32.4	16	51.57	7	46.2	8
April 10	42.93	2	77.8	21	55.38	5	97.3	29	54.18	5	33.8	14	51.61	4	47.3	11
20	42.90	3	80.0	22	55.23	15	100.2	29	54.19	1	35.0	12	51.62	1	48.4	11
30	42.84	6	82.1	21	54.98	25	102.8	26	54.18	1	36.0	10	51.60	2	49.6	12
Mai 10	42.75	9	84.1	20	54.65	33	105.1	23	54.14	4	36.8	8	51.55	5	50.9	13
20	42.63	12	85.8	17	54.25	40	107.0	19	54.09	5	37.3	5	51.48	7	52.0	11
30	42.48	15	87.3	15	53.79	46	108.5	15	54.01	8	37.6	3	51.40	8	53.1	11
Juni 9	42.33	15	88.5	12	53.30	49	109.5	10	53.93	8	37.6	0	51.31	9	54.1	10
19	42.16	17	89.3	8	52.79	51	110.0	5	53.83	10	37.4	2	51.21	10	54.9	8
29	41.99	17	89.7	4	52.28	51	109.9	1	53.72	11	37.0	4	51.11	10	55.5	6
Juli 9	41.82	17	89.7	0	51.77	51	109.4	5	53.62	10	36.4	6	51.00	11	55.9	4
19	41.66	16	89.4	3	51.28	49	108.3	11	53.51	11	35.7	7	50.90	10	56.1	2
29	41.51	15	88.7	7	50.82	46	106.7	16	53.40	11	34.8	9	50.80	10	56.1	0
Aug. 8	41.37	14	87.6	11	50.40	42	104.6	21	53.30	10	33.7	11	50.71	9	55.8	3
18	41.25	12	86.1	15	50.04	36	102.2	24	53.22	8	32.6	11	50.63	8	55.3	5
28	41.15	10	84.3	18	49.74	30	99.3	29	53.16	6	31.4	12	50.57	6	54.5	8
Sept. 7	41.09	6	82.1	22	49.52	22	96.1	32	53.12	4	30.3	11	50.54	3	53.5	10
17	41.06	3	79.7	24	49.38	14	92.6	35	53.11	1	29.2	11	50.54	0	52.3	12
27	41.08	2	77.0	27	49.33	5	89.0	36	53.15	4	28.3	9	50.56	2	50.8	15
Okt. 7	41.15	7	73.8	32	49.38	5	84.8	42	53.23	8	27.5	8	50.63	7	48.8	20
17	41.26	11	70.8	30	49.53	15	81.0	38	53.35	12	27.0	5	50.74	11	46.8	20
27	41.42	16	67.6	32	49.79	26	77.2	38	53.52	17	26.9	1	50.89	15	44.7	21
Nov. 6	41.64	22	64.4	32	50.15	36	73.5	37	53.74	22	27.1	2	51.09	20	42.3	24
16	41.91	27	61.2	32	50.62	47	70.1	34	54.00	26	27.7	6	51.33	24	39.8	25
26	42.23	32	58.2	30	51.18	56	66.9	32	54.30	30	28.6	9	51.61	28	37.3	25
Dez. 6	42.59	36	55.4	28	51.82	64	64.2	27	54.63	33	29.9	13	51.92	31	34.8	25
16	42.97	38	52.9	25	52.52	70	61.9	23	54.98	35	31.5	16	52.26	34	32.3	25
26	43.37	40	50.7	22	53.26	74	60.3	16	55.35	37	33.5	20	52.61	35	30.0	23
36	43.78	41	49.0	17	54.03	77	59.2	11	55.71	36	35.6	21	52.96	35	28.0	20
Mittl. Ort	39.72		88.6		49.14		103.7		51.98		16.7		49.03		61.3	
sec δ, tg δ	1.342		+0.895		2.961		+2.787		1.086		−0.423		1.057		+0.341	

1914	474) α Muscae. AR.		Dekl. −		476) γ Centauri. AR.		Dekl. −		478) 76 Ursae maj. AR.		Dekl. +		481) β Crucis. AR.		Dekl. −	
	12h 32m		68° 39′		12h 36m		48° 29′		12h 37m		63° 10′		12h 42m		59° 12′	
	s		″		s		″		s		″		s		″	
Jan. 0	1.51	73	27.0	17	45.63	46	3.9	21	50.08	60	44.6	11	40.48	55	53.9	18
10	2.24	69	28.7	23	46.09	43	6.0	24	50.68	59	43.5	4	41.03	54	55.7	22
20	2.93	64	31.0	27	46.52	40	8.4	26	51.27	56	43.1	2	41.57	49	57.9	26
30	3.57	56	33.7	31	46.92	36	11.0	30	51.83	50	43.3	8	42.06	45	60.5	30
Febr. 9	4.13	49	36.8	33	47.28	31	14.0	31	52.33	44	44.1	14	42.51	39	63.5	32
19	4.62	40	40.1	36	47.59	26	17.1	31	52.77	36	45.5	19	42.90	32	66.7	33
März 1	5.02	30	43.7	37	47.85	21	20.2	32	53.13	27	47.4	23	43.22	26	70.0	34
11	5.32	21	47.4	36	48.06	15	23.4	30	53.40	18	49.7	26	43.48	19	73.4	35
21	5.53	12	51.0	37	48.21	10	26.4	30	53.58	9	52.3	28	43.67	13	76.9	33
31	5.65	3	54.7	35	48.31	5	29.4	28	53.67	0	55.1	28	43.80	7	80.2	33
April 10	5.68	4	58.2	33	48.36	1	32.2	26	53.67	8	57.9	28	43.87	0	83.5	30
20	5.64	13	61.5	31	48.37	3	34.8	23	53.59	15	60.7	26	43.87	5	86.5	28
30	5.51	20	64.6	28	48.34	6	37.1	20	53.44	21	63.3	24	43.82	9	89.3	25
Mai 10	5.31	26	67.4	24	48.28	10	39.1	17	53.23	26	65.7	20	43.73	15	91.8	21
20	5.05	32	69.8	20	48.18	13	40.8	12	52.97	31	67.7	16	43.58	18	93.9	18
30	4.73	37	71.8	15	48.05	15	42.0	10	52.66	33	69.3	12	43.40	22	95.7	13
Juni 9	4.36	40	73.3	11	47.90	17	43.0	5	52.33	35	70.5	7	43.18	24	97.0	9
19	3.96	43	74.4	5	47.73	18	43.5	1	51.98	37	71.2	2	42.94	27	97.9	4
29	3.53	45	74.9	0	47.55	19	43.6	2	51.61	35	71.4	3	42.67	28	98.3	0
Juli 9	3.08	44	74.9	5	47.36	20	43.4	7	51.26	34	71.1	8	42.39	28	98.3	5
19	2.64	43	74.4	10	47.16	19	42.7	11	50.92	33	70.3	14	42.11	29	97.8	10
29	2.21	41	73.4	14	46.97	18	41.6	14	50.59	30	68.9	17	41.82	26	96.8	13
Aug. 8	1.80	35	72.0	19	46.79	16	40.2	17	50.29	26	67.2	22	41.56	24	95.5	18
18	1.45	30	70.1	23	46.63	13	38.5	19	50.03	22	65.0	26	41.32	20	93.7	21
28	1.15	22	67.8	25	46.50	10	36.6	21	49.81	16	62.4	29	41.12	15	91.6	23
Sept. 7	0.93	12	65.3	27	46.40	4	34.5	21	49.65	11	59.5	33	40.97	9	89.3	24
17	0.81	2	62.6	28	46.36	1	32.4	22	49.54	5	56.2	35	40.88	1	86.9	25
27	0.79	10	59.8	30	46.37	8	30.2	23	49.49	4	52.7	40	40.87	7	84.4	28
Okt. 7	0.89	22	56.8	26	46.45	14	27.9	18	49.53	11	48.7	37	40.94	15	81.6	23
17	1.11	33	54.2	24	46.59	20	26.1	16	49.64	20	45.0	37	41.09	24	79.3	21
27	1.44	44	51.8	19	46.79	27	24.5	11	49.84	28	41.3	36	41.33	32	77.2	16
Nov. 6	1.88	54	49.9	15	47.06	33	23.4	7	50.12	35	37.7	36	41.65	40	75.6	13
16	2.42	63	48.4	10	47.39	39	22.7	3	50.47	44	34.1	32	42.05	46	74.3	7
26	3.05	69	47.4	3	47.78	42	22.4	3	50.91	49	30.9	29	42.51	52	73.6	2
Dez. 6	3.74	73	47.1	2	48.20	45	22.7	8	51.40	55	28.0	24	43.03	55	73.4	4
16	4.47	75	47.3	8	48.65	46	23.5	13	51.95	58	25.6	19	43.58	56	73.8	10
26	5.22	74	48.1	15	49.11	46	24.8	18	52.53	60	23.7	14	44.14	57	74.8	15
36	5.96		49.6		49.57		26.6		53.13		22.3		44.71		76.3	
Mittl. Ort	2.59		42.8		46.01		15.5		48.80		66.3		41.20		67.6	
sec δ, tg δ	2.749		−2.561		1.509		−1.130		2.217		+1.978		1.955		−1.678	

1914	482) *n* Centauri.				483) ε Ursae maj.				484) δ Virginis.				485) 12 Can.ven.sq.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	12h 48m		39° 42′		12h 50m		56° 24′		12h 51m		3° 51′		12h 52m		38° 46′	
Jan. 0	39.77s	42	32.6″	20	15.87s	51	74.1″	14	16.43s	35	46.1″	21	0.98s	40	40.1″	17
10	40.19	39	34.6	22	16.38	50	72.7	8	16.78	33	44.0	20	1.38	39	38.4	13
20	40.58	36	36.8	26	16.88	48	71.9	1	17.11	31	42.0	18	1.77	36	37.1	7
30	40.94	34	39.4	27	17.36	44	71.8	5	17.42	28	40.2	15	2.13	34	36.4	1
Febr. 9	41.28	29	42.1	28	17.80	38	72.3	11	17.70	25	38.7	12	2.47	30	36.3	3
19	41.57	25	44.9	28	18.18	33	73.4	15	17.95	21	37.5	9	2.77	25	36.6	8
März 1	41.82	21	47.7	28	18.51	26	74.9	21	18.16	17	36.6	6	3.02	20	37.4	13
11	42.03	15	50.5	27	18.77	18	77.0	23	18.33	13	36.0	3	3.22	15	38.7	16
21	42.18	12	53.2	25	18.95	10	79.3	25	18.46	10	35.7	0	3.37	11	40.3	19
31	42.30	7	55.7	24	19.05	4	81.8	27	18.56	6	35.7	1	3.48	5	42.2	20
April 10	42.37	3	58.1	21	19.09	3	84.5	27	18.62	3	35.8	4	3.53	0	44.2	22
20	42.40	0	60.2	20	19.06	9	87.2	26	18.65	1	36.2	5	3.53	3	46.4	21
30	42.40	3	62.2	16	18.97	14	89.8	24	18.66	2	36.7	7	3.50	7	48.5	20
Mai 10	42.37	6	63.8	13	18.83	17	92.2	21	18.64	3	37.4	6	3.43	9	50.5	19
20	42.31	9	65.1	10	18.66	22	94.3	17	18.61	6	38.0	7	3.34	11	52.4	16
30	42.22	11	66.1	7	18.44	24	96.0	14	18.55	7	38.7	7	3.23	14	54.0	14
Juni 9	42.11	12	66.8	4	18.20	26	97.4	9	18.48	8	39.4	7	3.09	14	55.4	10
19	41.99	14	67.2	1	17.94	28	98.3	5	18.40	9	40.1	7	2.95	16	56.4	6
29	41.85	15	67.3	3	17.66	27	98.8	1	18.31	10	40.8	6	2.79	16	57.0	3
Juli 9	41.70	15	67.0	6	17.39	27	98.7	5	18.21	9	41.4	5	2.63	16	57.3	1
19	41.55	16	66.4	10	17.12	26	98.2	9	18.12	10	41.9	4	2.47	15	57.2	5
29	41.39	14	65.4	12	16.86	24	97.3	15	18.02	10	42.3	2	2.32	15	56.7	9
Aug. 8	41.25	13	64.2	14	16.62	21	95.8	19	17.92	8	42.5	2	2.17	13	55.8	12
18	41.12	12	62.8	16	16.41	19	93.9	22	17.84	7	42.7	1	2.04	11	54.6	16
28	41.00	8	61.2	17	16.22	14	91.7	26	17.77	5	42.6	2	1.93	8	53.0	19
Sept. 7	40.92	4	59.5	19	16.08	10	89.1	30	17.72	3	42.4	4	1.85	6	51.1	22
17	40.88	0	57.6	18	15.98	5	86.1	32	17.69	1	42.0	6	1.79	1	48.9	24
27	40.88	6	55.8	18	15.93	2	82.9	34	17.70	5	41.4	8	1.78	3	46.5	28
Okt. 7	40.94	12	54.0	15	15.95	9	79.5	39	17.75	10	40.6	12	1.81	9	43.7	32
17	41.06	17	52.5	11	16.04	15	75.6	37	17.85	13	39.4	14	1.90	13	40.5	31
27	41.23	23	51.4	8	16.19	22	71.9	36	17.98	18	38.0	16	2.03	19	37.4	32
Nov. 6	41.46	29	50.6	4	16.41	29	68.3	36	18.16	22	36.4	19	2.22	24	34.2	32
16	41.75	33	50.2	0	16.70	36	64.7	33	18.38	26	34.5	20	2.46	29	31.0	31
26	42.08	37	50.2	5	17.06	41	61.4	30	18.64	30	32.5	22	2.75	32	27.9	30
Dez. 6	42.45	40	50.7	10	17.47	46	58.4	26	18.94	32	30.3	22	3.07	36	24.9	27
16	42.85	41	51.7	14	17.93	49	55.8	22	19.26	33	28.1	23	3.43	39	22.2	23
26	43.26	42	53.1	18	18.42	51	53.6	16	19.59	34	25.8	21	3.82	39	19.9	20
36	43.68		54.9		18.93		52.0		19.93		23.7		4.21		17.9	
Mittl. Ort	40.06		41.2		14.99		95.1		16.25		52.3		0.44		57.4	
sec δ, tg δ	1.300		−0.831		1.808		+1.507		1.002		+0.067		1.283		+0.803	

1914	486) 8 Draconis. AR.		Dekl. +		488) ε Virginis. AR.		Dekl. +		490) θ Virginis. AR.		Dekl. —		492) 43 Comae. AR.		Dekl. +	
	12h 52m		65° 53'		12h 57m		11° 24'		13h 5m		5° 4'		13h 7m		28° 18'	
Jan. 0	4.54	65	54.9	12	53.97	34	67.1	21	29.76	34	52.1	21	51.99	36	35.0	20
10	5.19	64	53.7	5	54.31	34	65.0	18	30.10	33	54.2	21	52.35	36	33.0	16
20	5.83	62	53.2	1	54.65	31	63.2	16	30.43	32	56.3	20	52.71	35	31.4	11
30	6.45	56	53.3	8	54.96	29	61.6	13	30.75	29	58.3	18	53.06	31	30.3	6
Febr. 9	7.01	49	54.1	13	55.25	26	60.3	9	31.04	26	60.1	16	53.37	28	29.7	2
19	7.50	42	55.4	19	55.51	22	59.4	5	31.30	23	61.7	13	53.65	25	29.5	3
März 1	7.92	32	57.3	23	55.73	18	58.9	1	31.53	18	63.0	11	53.90	20	29.8	7
11	8.24	22	59.6	26	55.91	14	58.8	1	31.71	15	64.1	8	54.10	15	30.5	11
21	8.46	12	62.2	28	56.05	10	58.9	4	31.86	12	64.9	6	54.25	12	31.6	13
31	8.58	3	65.0	29	56.15	7	59.3	6	31.98	8	65.5	3	54.37	7	32.9	16
April 10	8.61	6	67.9	29	56.22	4	59.9	9	32.06	5	65.8	2	54.44	4	34.5	18
20	8.55	15	70.8	28	56.26	0	60.8	9	32.11	2	66.0	1	54.48	0	36.3	18
30	8.40	22	73.6	25	56.26	1	61.7	10	32.13	1	65.9	2	54.48	3	38.1	17
Mai 10	8.18	28	76.1	21	56.25	4	62.7	10	32.12	2	65.7	3	54.45	6	39.8	17
20	7.90	34	78.2	18	56.21	6	63.7	10	32.10	4	65.4	3	54.39	8	41.5	16
30	7.56	37	80.0	13	56.15	7	64.7	9	32.06	6	65.1	5	54.31	9	43.1	13
Juni 9	7.19	39	81.3	8	56.08	8	65.6	8	32.00	7	64.6	5	54.22	11	44.4	11
19	6.80	42	82.1	4	56.00	10	66.4	7	31.93	8	64.1	6	54.11	13	45.5	9
29	6.38	41	82.5	2	55.90	10	67.1	6	31.85	10	63.5	6	53.98	13	46.4	6
Juli 9	5.97	41	82.3	8	55.80	10	67.7	4	31.75	9	62.9	5	53.85	13	47.0	2
19	5.56	39	81.5	12	55.70	11	68.1	3	31.66	10	62.4	6	53.72	13	47.2	0
29	5.17	36	80.3	17	55.59	10	68.4	1	31.56	10	61.8	5	53.59	13	47.2	4
Aug. 8	4.81	33	78.6	21	55.49	9	68.5	2	31.46	10	61.3	4	53.46	12	46.8	7
18	4.48	28	76.5	26	55.40	7	68.3	3	31.36	8	60.9	4	53.34	10	46.1	11
28	4.20	23	73.9	29	55.33	6	68.0	6	31.28	6	60.5	2	53.24	9	45.0	13
Sept. 7	3.97	16	71.0	32	55.27	3	67.4	8	31.22	3	60.3	1	53.15	5	43.7	16
17	3.81	9	67.8	35	55.24	0	66.6	10	31.19	0	60.2	0	53.10	3	42.1	19
27	3.72	2	64.3	37	55.24	4	65.6	13	31.19	3	60.2	3	53.07	2	40.2	22
Okt. 7	3.70	8	60.6	41	55.28	8	64.3	17	31.22	8	60.5	6	53.09	7	38.0	27
17	3.78	17	56.5	38	55.36	13	62.6	18	31.30	13	61.1	8	53.16	11	35.3	26
27	3.95	27	52.7	38	55.49	17	60.8	20	31.43	17	61.9	11	53.27	16	32.7	28
Nov. 6	4.22	35	48.9	36	55.66	22	58.8	22	31.60	21	63.0	14	53.43	21	29.9	29
16	4.57	43	45.3	33	55.88	25	56.6	24	31.81	26	64.4	16	53.64	25	27.0	29
26	5.00	51	42.0	30	56.13	29	54.2	23	32.07	29	66.0	19	53.89	30	24.1	28
Dez. 6	5.51	57	39.0	26	56.42	32	51.9	24	32.36	32	67.9	19	54.19	33	21.3	27
16	6.08	62	36.4	21	56.74	34	49.5	24	32.68	33	69.8	21	54.52	35	18.6	24
26	6.70	64	34.3	14	57.08	34	47.1	22	33.01	35	71.9	22	54.87	36	16.2	21
36	7.34		32.9		57.42		44.9		33.36		74.1		55.23		14.1	
Mittl. Ort	3.36		77.4		53.75		76.1		29.74		48.6		51.69		49.7	
sec δ, tg δ	2.450		+2.236		1.020		+0.202		1.004		−0.089		1.136		+0.539	

1914	495) γ Hydrae. AR.		Dekl. −		496) ι Centauri. AR.		Dekl. −		497) ζ Urs. maj. pr. AR.		Dekl. +		498) α Virginis. AR.		Dekl. −	
	$13^h 14^m$		22° 43′		$13^h 15^m$		36° 15′		$13^h 20^m$		55° 21′		$13^h 20^m$		10° 42′	
Jan. 0	14.38	36	3.1	20	45.00	40	25.8	18	28.42	49	65.5	17	39.49	35	48.0	21
10	14.74	36	5.1	21	45.40	40	27.6	21	28.91	50	63.8	11	39.84	34	50.1	21
20	15.10	34	7.2	23	45.80	37	29.7	23	29.41	48	62.7	5	40.18	32	52.2	20
30	15.44	31	9.5	22	46.17	35	32.0	24	29.89	45	62.2	1	40.50	31	54.2	19
Febr. 9	15.75	28	11.7	21	46.52	30	34.4	25	30.34	40	62.3	8	40.81	27	56.1	18
19	16.03	25	13.8	21	46.82	28	36.9	26	30.74	35	63.1	13	41.08	24	57.9	15
März 1	16.28	20	15.9	19	47.10	22	39.5	25	31.09	29	64.4	17	41.32	20	59.4	14
11	16.48	17	17.8	18	47.32	19	42.0	24	31.38	23	66.1	22	41.52	17	60.8	11
21	16.65	13	19.6	16	47.51	15	44.4	23	31.61	15	68.3	25	41.69	13	61.9	9
31	16.78	10	21.2	14	47.66	10	46.7	22	31.76	9	70.8	27	41.82	10	62.8	7
April 10	16.88	6	22.6	12	47.76	7	48.9	20	31.85	2	73.5	27	41.92	6	63.5	4
20	16.94	4	23.8	10	47.83	4	50.9	17	31.87	4	76.2	27	41.98	4	63.9	3
30	16.98	1	24.8	8	47.87	0	52.6	15	31.83	9	78.9	26	42.02	2	64.2	1
Mai 10	16.99	2	25.6	6	47.87	3	54.1	13	31.74	14	81.5	23	42.04	1	64.3	0
20	16.97	4	26.2	4	47.84	6	55.4	10	31.60	18	83.8	21	42.03	4	64.3	1
30	16.93	6	26.6	2	47.78	7	56.4	8	31.42	21	85.9	17	41.99	5	64.2	3
Juni 9	16.87	8	26.8	1	47.71	10	57.2	4	31.21	24	87.6	13	41.94	6	63.9	4
19	16.79	9	26.7	2	47.61	12	57.6	2	30.97	26	88.9	8	41.88	8	63.5	4
29	16.70	11	26.5	4	47.49	13	57.8	2	30.71	27	89.7	3	41.80	10	63.1	5
Juli 9	16.59	11	26.1	5	47.36	14	57.6	4	30.44	27	90.0	1	41.70	10	62.6	6
19	16.48	12	25.6	7	47.22	15	57.2	8	30.17	27	89.9	6	41.60	10	62.0	6
29	16.36	11	24.9	8	47.07	15	56.4	9	29.90	27	89.3	11	41.50	11	61.4	6
Aug. 8	16.25	11	24.1	9	46.92	14	55.5	12	29.63	24	88.2	15	41.39	10	60.8	6
18	16.14	10	23.2	10	46.78	12	54.3	14	29.39	22	86.7	20	41.29	9	60.2	6
28	16.04	7	22.2	10	46.66	10	52.9	15	29.17	19	84.7	24	41.20	7	59.6	4
Sept. 7	15.97	5	21.2	10	46.56	7	51.4	16	28.98	15	82.3	27	41.13	5	59.2	4
17	15.92	1	20.2	9	46.49	3	49.8	15	28.83	10	79.6	31	41.08	2	58.8	3
27	15.91	2	19.3	7	46.46	3	48.3	15	28.73	4	76.5	33	41.06	2	58.5	0
Okt. 7	15.93	8	18.6	6	46.49	8	46.8	14	28.69	3	73.2	38	41.08	7	58.5	2
17	[13] 16.01	13	18.0	3	[14] 46.57	14	45.4	11	[15] 28.72	9	69.4	36	[15] 41.15	11	58.7	5
27	16.14	18	17.7	0	46.71	19	44.3	7	28.81	16	65.8	37	41.26	16	59.2	7
Nov. 6	16.32	22	17.7	4	46.90	25	43.6	4	28.97	23	62.1	37	41.42	21	59.9	10
16	16.54	28	18.1	7	47.15	30	43.2	0	29.20	31	58.4	35	41.63	25	60.9	13
26	16.82	31	18.8	11	47.45	34	43.2	4	29.51	36	54.9	33	41.88	28	62.2	15
Dez. 6	17.13	33	19.9	13	47.79	37	43.6	8	29.87	42	51.6	29	42.16	32	63.7	18
16	17.46	36	21.2	17	48.16	40	44.4	13	30.29	46	48.7	25	42.48	33	65.5	20
26	17.82	36	22.9	18	48.56	40	45.7	16	30.75	48	46.2	20	42.81	35	67.5	20
36	18.18		24.7		48.96		47.3		31.23		44.2		43.16		69.5	
Mittl. Ort	14.59		5.4		45.42		32.4		27.93		87.2		39.61		46.0	
sec δ, tg δ	1.084		−0.419		1.240		−0.734		1.760		+1.448		1.018		−0.189	

1914	499) Gr. 2001. AR.		499) Dekl. +		500) 69 H. Urs. maj. AR.		500) Dekl. +		501) ζ Virginis. AR.		501) Dekl. —		502) 17 H. Can. ven. AR.		502) Dekl. +	
	13h 23m		72° 49′		13h 25m		60° 22′		13h 30m		0° 9′		13h 30m		37° 36′	
Jan. 0	57.25	84	52.4	15	18.35	54	60.5	17	18.51	34	29.8	21	57.69	39	63.7	21
10	58.09	83	50.9	7	18.89	55	58.8	11	18.85	33	31.9	20	58.08	39	61.6	16
20	58.92	83	50.2	1	19.44	54	57.7	4	19.18	32	33.9	19	58.47	37	60.0	11
30	59.75	78	50.1	6	19.98	50	57.3	2	19.50	31	35.8	16	58.84	35	58.9	5
Febr. 9	60.53	71	50.7	12	20.48	46	57.5	9	19.81	27	37.4	14	59.19	33	58.4	0
19	61.24	61	51.9	17	20.94	40	58.4	14	20.08	24	38.8	11	59.52	28	58.4	6
März 1	61.85	50	53.6	23	21.34	33	59.8	19	20.32	21	39.9	8	59.80	24	59.0	10
11	62.35	37	55.9	26	21.67	25	61.7	23	20.53	17	40.7	5	60.04	19	60.0	15
21	62.72	24	58.5	29	21.92	18	64.0	26	20.70	14	41.2	3	60.23	15	61.5	17
31	62.96	11	61.4	30	22.10	9	66.6	28	20.84	10	41.5	0	60.38	10	63.2	20
April 10	63.07	3	64.4	30	22.19	2	69.4	29	20.94	7	41.5	2	60.48	5	65.2	22
20	63.04	15	67.4	29	22.21	5	72.3	28	21.01	5	41.3	3	60.53	2	67.4	22
30	62.89	27	70.3	28	22.16	11	75.1	27	21.06	2	41.0	5	60.55	3	69.6	22
Mai 10	62.62	36	73.1	24	22.05	17	77.8	25	21.08	1	40.5	6	60.52	5	71.8	21
20	62.26	45	75.5	21	21.88	22	80.3	21	21.07	3	39.9	6	60.47	8	73.9	19
30	61.81	52	77.6	17	21.66	27	82.4	17	21.04	4	39.3	6	60.39	11	75.8	16
Juni 9	61.29	58	79.3	11	21.39	29	84.1	13	21.00	6	38.7	7	60.28	13	77.4	14
19	60.71	61	80.4	7	21.10	31	85.4	8	20.94	8	38.0	7	60.15	14	78.8	10
29	60.10	63	81.1	1	20.79	33	86.2	4	20.86	10	37.3	6	60.01	16	79.8	6
Juli 9	59.47	64	81.2	5	20.46	34	86.6	2	20.76	10	36.7	5	59.85	17	80.4	3
19	58.83	63	80.7	10	20.12	33	86.4	7	20.66	10	36.2	5	59.68	17	80.7	1
29	58.20	60	79.7	15	19.79	33	85.7	11	20.56	11	35.7	4	59.51	16	80.6	5
Aug. 8	57.60	57	78.2	20	19.46	30	84.6	17	20.45	11	35.3	3	59.35	16	80.1	9
18	57.03	51	76.2	24	19.16	27	82.9	20	20.34	9	35.0	2	59.19	14	79.2	13
28	56.52	44	73.8	28	18.89	24	80.9	25	20.25	8	34.8	0	59.05	13	77.9	16
Sept. 7	56.08	36	71.0	31	18.65	19	78.4	29	20.17	6	34.8	1	58.92	10	76.3	20
17	55.72	27	67.9	35	18.46	14	75.5	31	20.11	2	34.9	3	58.82	6	74.3	23
27	55.45	17	64.4	37	18.32	8	72.4	35	20.09	0	35.2	6	58.76	2	72.0	26
Okt. 7	55.28	5	60.7	42	18.24	0	68.9	40	20.09	5	35.8	8	58.74	2	69.4	28
17	16 55.23	8	56.5	39	16 18.24	9	64.9	37	20.14	10	36.6	12	58.76	9	66.6	33
27	55.31	21	52.6	39	18.33	16	61.2	38	18 20.24	15	37.8	13	18 58.85	14	63.3	32
Nov. 6	55.52	34	48.7	38	18.49	24	57.4	37	20.39	19	39.1	16	58.99	19	60.1	32
16	55.86	46	44.9	35	18.73	32	53.7	36	20.58	23	40.7	18	59.18	24	56.9	33
26	56.32	56	41.4	31	19.05	39	50.1	33	20.81	27	42.5	20	59.42	29	53.6	31
Dez. 6	56.88	67	38.3	30	19.44	46	46.8	29	21.08	31	44.5	20	59.71	33	50.5	29
16	57.55	75	35.3	22	19.90	50	43.9	25	21.39	32	46.5	22	60.04	36	47.6	27
26	58.30	81	33.1	18	20.40	53	41.4	20	21.71	34	48.7	21	60.40	38	44.9	23
36	59.11		31.3		20.93		39.4		22.05		50.8		60.78		42.6	
Mittl. Ort	56.39		76.3		17.84		83.0		18.59		23.8		57.49		81.6	
sec δ, tg δ	3.389		+3.238		2.024		+1.759		1.000		−0.003		1.263		+0.771	

1914	504) ε Centauri.				507) τ Bootis.				509) η Ursae maj.				510) 89 Virginis.			
	AR.	Δ	Dekl. −	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. +	Δ	AR.	Δ	Dekl. −	Δ
	$13^h 34^m$		$53° 1'$		$13^h 43^m$		$17° 52'$		$13^h 44^m$		$49° 43'$		$13^h 45^m$		$17° 42'$	
Jan. 0	$24^s.82$		$36''.7$		$10^s.50$		$53''.4$		$9^s.39$		$70''.8$		$11^s.43$		$22''.7$	
10	25.33	51	38.4	17	10.84	34	51.2	22	9.83	44	68.8	20	11.78	35	24.6	19
20	25.84	51	40.4	20	11.19	35	49.3	19	10.28	45	67.2	16	12.14	36	26.5	19
30	26.32	48	42.8	24	11.52	33	47.7	16	10.71	43	66.3	9	12.48	34	28.5	20
Febr. 9	26.77	45	45.4	26	11.83	31	46.5	12	11.13	42	66.1	2	12.80	32	30.5	20
19	27.18	41	48.2	28	12.12	29	45.8	7	11.51	38	66.4	— 3	13.09	29	32.4	19
März 1	27.54	36	51.2	30	12.38	26	45.4	4	11.85	34	67.3	9	13.36	27	34.2	18
11	27.86	32	54.2	30	12.60	22	45.5	— 1	12.14	29	68.7	14	13.59	23	35.8	16
21	28.12	26	57.2	30	12.79	19	45.9	4	12.38	24	70.6	19	13.78	19	37.2	14
31	28.33	21	60.2	30	12.93	14	46.7	8	12.55	17	72.8	22	13.94	16	38.4	12
April 10	28.49	16	63.0	28	13.05	12	47.8	11	12.67	12	75.2	24	14.07	13	39.5	11
20	28.60	11	65.6	26	13.12	7	49.0	12	12.74	7	77.8	26	14.16	9	40.3	8
30	28.66	6	68.0	24	13.17	5	50.4	14	12.75	1	80.5	27	14.23	7	41.0	7
Mai 10	28.67	1	70.1	21	13.18	1	51.8	14	12.71	— 4	83.1	26	14.27	4	41.5	5
20	28.64	— 3	72.0	19	13.17	— 1	53.2	14	12.63	8	85.6	25	14.28	1	41.8	3
30	28.57	7	73.5	15	13.14	3	54.6	14	12.51	12	87.8	22	14.27	— 1	42.0	2
Juni 9	28.46	11	74.6	11	13.08	6	55.9	13	12.35	16	89.7	19	14.24	3	42.0	0
19	28.31	15	75.4	8	13.01	7	57.1	12	12.17	18	91.2	15	14.17	7	41.9	1
29	28.14	17	75.9	5	12.92	9	58.1	10	11.96	21	92.4	12	14.10	7	41.7	2
Juli 9	27.93	21	75.9	0	12.81	11	58.8	7	11.74	22	93.1	7	14.00	10	41.4	3
19	27.71	22	75.5	4	12.70	11	59.4	6	11.51	23	93.3	2	13.90	10	40.9	5
29	27.48	23	74.7	8	12.57	13	59.7	3	11.27	24	93.1	— 2	13.79	11	40.3	6
Aug. 8	27.25	23	73.6	11	12.45	12	59.8	1	11.03	24	92.4	7	13.67	12	39.7	6
18	27.02	23	72.2	14	12.32	13	59.6	— 2	10.81	22	91.3	11	13.55	12	39.0	7
28	26.82	20	70.4	18	12.21	11	59.1	5	10.59	22	89.7	16	13.44	11	38.2	8
Sept. 7	26.64	18	68.5	19	12.11	10	58.4	7	10.41	18	87.7	20	13.35	9	37.5	7
17	26.51	13	66.4	21	12.03	8	57.4	10	10.25	16	85.4	23	13.28	7	36.8	7
27	26.43	8	64.2	22	11.97	6	56.1	13	10.13	12	82.7	27	13.24	4	36.2	6
Okt. 7	26.41	2	62.0	22	11.96	1	54.5	16	10.07	6	79.7	30	13.23	1	35.8	4
17	26.47	— 6	60.0	20	11.99	— 3	52.7	18	10.06	1	76.4	33	13.27	— 4	35.5	3
27	19 26.61	14	58.1	19	21 12.07	8	50.4	23	21 10.11	— 5	72.6	38	22 13.37	10	35.5	0
Nov. 6	26.82	21	56.6	15	12.19	12	48.1	23	10.23	12	69.0	36	13.51	14	35.7	2
16	27.11	29	55.5	11	12.36	17	45.6	25	10.41	18	65.4	36	13.70	19	36.2	5
26	27.47	36	54.9	6	12.58	22	43.0	26	10.65	24	61.8	36	13.94	24	37.1	9
Dez. 6	27.88	41	54.7	2	12.84	26	40.3	27	10.96	31	58.5	33	14.22	28	38.2	11
16	28.33	45	55.1	— 4	13.14	30	37.7	26	11.32	36	55.4	31	14.53	31	39.6	14
26	28.82	49	56.0	9	13.46	32	35.2	25	11.72	40	52.6	28	14.86	33	41.2	16
36	29.33	51	57.3	13	13.79	33	32.9	23	12.14	42	50.3	23	15.21	35	42.9	17
Mittl. Ort	25.78		46.5		10.52		65.8		9.23		91.7		11.76		22.1	
sec δ, tg δ	1.663		−1.329		1.051		+0.323		1.547		+1.181		1.050		−0.319	

1914	512) ζ Centauri. AR.		Dekl. —		513) η Bootis. AR.		Dekl. +		516) τ Virginis. AR.		Dekl. +		517) 11 Bootis. AR.		Dekl. +	
	13h 50m		46° 51′		13h 50m		18° 49′		13h 57m		1° 57′		13h 57m		27° 47′	
Jan. 0	9.14	46	47.9	12	35.33	34	29.4	23	15.90	33	29.3	22	16.49	36	49.9	23
10	9.60	46	49.1	16	35.67	35	27.1	19	16.23	34	27.1	20	16.85	35	47.6	19
20	10.06	44	50.7	19	36.02	33	25.2	16	16.57	33	25.1	18	17.20	35	45.7	15
30	10.50	42	52.6	22	36.35	32	23.6	12	16.90	31	23.3	16	17.55	34	44.2	10
Febr. 9	10.92	39	54.8	24	36.67	30	22.4	8	17.21	29	21.7	13	17.89	31	43.2	5
19	11.31	37	57.2	25	36.97	26	21.6	3	17.50	26	20.4	10	18.20	28	42.7	0
März 1	11.68	28	59.7	27	37.23	23	21.3	0	17.76	23	19.4	7	18.48	24	42.7	5
11	11.96	26	62.4	27	37.46	19	21.3	5	17.99	20	18.7	4	18.72	21	43.2	9
21	12.22	22	65.1	27	37.65	16	21.8	8	18.19	16	18.3	1	18.93	17	44.1	13
31	12.44	17	67.8	25	37.81	12	22.6	11	18.35	13	18.2	— 1	19.10	13	45.4	15
April 10	12.61	13	70.3	24	37.93	8	23.7	13	18.48	10	18.3	4	19.23	8	46.9	18
20	12.74	8	72.7	23	38.01	6	25.0	14	18.58	7	18.7	5	19.31	6	48.7	18
30	12.82	4	75.0	21	38.07	2	26.4	15	18.65	4	19.2	6	19.37	2	50.5	20
Mai 10	12.86	1	77.1	19	38.09	0	27.9	15	18.69	2	19.8	8	19.39	— 1	52.5	19
20	12.87	— 4	79.0	16	38.09	3	29.4	15	18.71	— 1	20.6	7	19.38	4	54.4	18
30	12.83	7	80.6	14	38.06	6	30.9	13	18.70	3	21.3	8	19.34	7	56.2	16
Juni 9	12.76	10	82.0	10	38.00	7	32.2	12	18.67	5	22.1	8	19.27	8	57.8	15
19	12.66	13	83.0	7	37.93	9	33.4	11	18.62	7	22.9	7	19.19	11	59.3	11
29	12.53	16	83.7	4	37.84	10	34.5	8	18.55	9	23.6	7	19.08	12	60.4	10
Juli 9	12.37	18	84.1	0	37.74	12	35.3	5	18.46	9	24.3	6	18.96	14	61.4	5
19	12.19	19	84.1	4	37.62	13	35.8	4	18.37	11	24.9	5	18.82	15	61.9	3
29	12.00	20	83.7	7	37.49	13	36.2	0	18.26	12	25.4	4	18.67	14	62.2	— 1
Aug. 8	11.80	20	83.0	10	37.36	12	36.2	1	18.14	11	25.8	3	18.53	15	62.1	4
18	11.60	18	82.0	14	37.24	12	36.1	5	18.03	11	26.1	1	18.38	14	61.7	7
28	11.42	16	80.6	16	37.12	11	35.6	8	17.92	10	26.2	0	18.24	13	61.0	11
Sept. 7	11.26	12	79.0	18	37.01	8	34.8	10	17.82	8	26.2	3	18.11	10	59.9	14
17	11.14	8	77.2	18	36.93	6	33.8	14	17.74	5	25.9	4	18.01	8	58.5	17
27	11.06	3	75.4	19	36.87	2	32.4	16	17.69	2	25.5	7	17.93	4	56.8	20
Okt. 7	11.03	— 3	73.5	19	36.85	— 2	30.8	19	17.67	— 2	24.8	8	17.89	— 1	54.8	24
17	11.06	11	71.6	19	36.87	7	28.9	23	17.69	7	24.0	13	17.90	6	52.4	28
27	11.17	18	69.7	14	36.94	11	26.6	23	17.76	11	22.7	14	17.96	10	49.6	27
Nov. 6	11.35	24	68.3	11	37.05	17	24.3	26	17.87	17	21.3	16	18.06	15	46.9	29
16	11.59	30	67.2	8	37.22	21	21.7	26	18.04	21	19.7	18	18.21	21	44.0	30
26	11.89	36	66.4	4	37.43	25	19.1	27	18.25	25	17.9	20	18.42	25	41.0	30
Dez. 6	12.25	41	66.0	— 1	37.68	29	16.4	27	18.50	29	15.9	22	18.67	29	38.0	29
16	12.66	43	66.1	5	37.97	32	13.7	25	18.79	31	13.7	21	18.96	33	35.1	27
26	13.09	46	66.6	10	38.29	33	11.2	24	19.10	33	11.6	22	19.29	34	32.4	24
36	13.55		67.6		38.62		8.8		19.43		9.4		19.63		30.0	
Mittl. Ort	10.02		55.8		35.39		42.2		16.12		36.8		16.55		65.5	
sec δ, tg δ	1.463		−1.068		1.057		+0.341		1.001		+0.034		1.130		+0.527	

1914	518) β Centauri. AR.		Dekl. —		520) ϑ Centauri. AR.		Dekl. —		521) α Draconis. AR.		Dekl. +		522) d Bootis. AR.		Dekl. +	
	$13^h\,57^m$		59° 57′		$14^h\,1^m$		35° 56′		$14^h\,2^m$		64° 46′		$14^h\,6^m$		25° 29′	
Jan. 0	43.14	59	21.1	7	36.25	40	46.2	13	3.59	59	48.5	20	28.51	34	39.8	23
10	43.73	59	21.8	13	36.65	40	47.5	17	4.18	60	46.5	14	28.85	35	37.5	20
20	44.32	57	23.1	16	37.05	39	49.2	19	4.78	60	45.1	8	29.20	35	35.5	15
30	44.89	55	24.7	21	37.44	38	51.1	21	5.38	59	44.3	1	29.55	34	34.0	11
Febr. 9	45.44	51	26.8	24	37.82	34	53.2	21	5.97	55	44.2	— 5	29.89	31	32.9	6
19	45.95	46	29.2	27	38.16	32	55.3	23	6.52	50	44.7	12	30.20	28	32.3	2
März 1	46.41	41	31.9	28	38.48	27	57.6	22	7.02	43	45.9	17	30.48	25	32.1	— 3
11	46.82	35	34.7	30	38.75	25	59.8	22	7.45	35	47.6	23	30.73	21	32.4	9
21	47.17	29	37.7	30	39.00	20	62.0	21	7.80	26	49.9	25	30.94	17	33.3	11
31	47.46	23	40.7	31	39.20	16	64.1	20	8.06	18	52.4	29	31.11	14	34.4	14
April 10	47.69	17	43.8	30	39.36	13	66.1	19	8.24	9	55.3	30	31.25	10	35.8	17
20	47.86	11	46.8	29	39.49	9	68.0	17	8.33	0	58.3	30	31.35	6	37.5	18
30	47.97	5	49.7	27	39.58	6	69.7	16	8.33	8	61.3	29	31.41	4	39.3	18
Mai 10	48.02	— 1	52.4	25	39.64	3	71.3	13	8.25	16	64.2	28	31.45	0	41.1	19
20	48.01	6	54.9	22	39.67	— 1	72.6	12	8.09	22	67.0	24	31.45	3	43.0	18
30	47.95	12	57.1	19	39.66	4	73.8	9	7.87	29	69.4	21	31.42	5	44.8	16
Juni 9	47.83	16	59.0	16	39.62	6	74.7	7	7.58	33	71.5	17	31.37	8	46.4	15
19	47.67	21	60.6	12	39.56	9	75.4	4	7.25	37	73.2	13	31.29	10	47.9	12
29	47.46	25	61.8	8	39.47	12	75.8	1	6.88	40	74.5	7	31.19	11	49.1	9
Juli 9	47.21	27	62.6	4	39.35	13	75.9	— 1	6.48	42	75.2	3	31.08	13	50.0	7
19	46.94	30	63.0	— 1	39.22	15	75.8	3	6.06	42	75.5	— 3	30.95	14	50.7	4
29	46.64	30	62.9	6	39.07	16	75.5	7	5.64	43	75.2	8	30.81	15	51.1	0
Aug. 8	46.34	30	62.3	9	38.91	16	74.8	8	5.21	42	74.4	13	30.66	14	51.1	3
18	46.04	29	61.4	14	38.75	15	74.0	11	4.79	39	73.1	18	30.52	14	50.8	6
28	45.75	25	60.0	18	38.60	14	72.9	12	4.40	36	71.3	22	30.38	13	50.2	9
Sept. 7	45.50	20	58.2	20	38.46	10	71.7	13	4.04	31	69.1	27	30.25	11	49.3	13
17	45.30	14	56.2	22	38.36	7	70.4	14	3.73	26	66.4	30	30.14	8	48.0	16
27	45.16	8	54.0	24	38.29	4	69.0	14	3.47	19	63.4	33	30.06	5	46.4	19
Okt. 7	45.08	— 1	51.6	23	38.25	— 2	67.6	13	3.28	11	60.1	36	30.01	1	44.5	21
17	45.09	12	49.3	26	38.27	9	66.3	13	3.17	2	56.5	41	30.00	— 4	42.4	25
27	[25] 45.21	20	46.7	21	[26] 38.36	14	65.0	9	[26] 3.15	— 8	52.4	39	[27] 30.04	11	39.9	29
Nov. 6	45.41	29	44.6	18	38.50	20	64.1	6	3.23	17	48.5	39	30.15	14	37.0	28
16	45.70	38	42.8	15	38.70	26	63.5	2	3.40	27	44.6	37	30.29	20	34.2	29
26	46.08	45	41.3	10	38.96	31	63.3	— 1	3.67	36	40.9	36	30.49	24	31.3	29
Dez. 6	46.53	51	40.3	6	39.27	34	63.4	4	4.03	43	37.3	32	30.73	28	28.4	29
16	47.04	55	39.7	0	39.61	37	63.8	9	4.46	51	34.1	28	31.01	32	25.5	27
26	47.59	58	39.7	5	39.98	40	64.7	12	4.97	56	31.3	23	31.33	33	22.8	24
36	48.17		40.2		40.38		65.9		5.53		29.0		31.66		20.4	
Mittl. Ort	44.60		31.4		36.94		50.6		3.60		71.9		28.64		55.0	
sec δ, tg δ	1.998		—1.730		1.235		—0.725		2.348		+2.124		1.108		+0.477	

1914	523) κ Virginis. AR.		523) κ Virginis. Dekl. −		524) 4 Ursae min. AR.		524) 4 Ursae min. Dekl. +		525) ι Virginis. AR.		525) ι Virginis. Dekl. −		526) α Bootis. AR.		526) α Bootis. Dekl. +	
	14h 8m		9° 52′		14h 9m		77° 56′		14h 11m		5° 35′		14h 11m		19° 37′	
Jan. 0	17.98	35	30.0	20	9.48	104	41.5	19	29.80	34	31.8	20	44.10	34	33.4	24
10	18.33	33	32.0	19	10.52	110	39.6	13	30.14	34	33.8	20	44.44	34	31.0	21
20	18.66	34	33.9	18	11.62	112	38.3	5	30.48	33	35.8	19	44.78	34	28.9	17
30	19.00	32	35.7	18	12.74	110	37.8	1	30.81	32	37.7	17	45.12	32	27.2	13
Febr. 9	19.32	30	37.5	16	13.84	105	37.9	7	31.13	29	39.4	15	45.44	30	25.9	9
19	19.62	27	39.1	14	14.89	95	38.6	14	31.42	28	40.9	13	45.74	28	25.0	4
März 1	19.89	24	40.5	12	15.84	82	40.0	19	31.70	24	42.2	10	46.02	24	24.6	0
11	20.13	21	41.7	10	16.66	66	41.9	24	31.94	21	43.2	8	46.26	21	24.6	5
21	20.34	18	42.7	7	17.32	49	44.3	28	32.15	18	44.0	5	46.47	17	25.1	8
31	20.52	15	43.4	5	17.81	31	47.1	30	32.33	14	44.5	2	46.64	14	25.9	10
April 10	20.67	11	43.9	4	18.12	13	50.1	31	32.47	12	44.7	1	46.78	11	26.9	13
20	20.78	9	44.3	1	18.25	6	53.2	31	32.59	9	44.8	1	46.89	7	28.2	15
30	20.87	6	44.4	0	18.19	25	56.3	29	32.68	6	44.7	2	46.96	4	29.7	16
Mai 10	20.93	3	44.4	1	17.94	41	59.2	28	32.74	3	44.5	3	47.00	1	31.3	16
20	20.96	1	44.3	2	17.53	56	62.0	25	32.77	1	44.2	5	47.01	1	32.9	15
30	20.97	2	44.1	3	16.97	69	64.5	21	32.78	2	43.7	5	47.00	5	34.4	14
Juni 9	20.95	4	43.8	4	16.28	79	66.6	16	32.76	4	43.2	5	46.95	6	35.8	13
19	20.91	6	43.4	5	15.49	88	68.2	12	32.72	6	42.7	5	46.89	8	37.1	12
29	20.85	8	42.9	4	14.61	94	69.4	6	32.66	8	42.2	6	46.81	11	38.3	8
Juli 9	20.77	10	42.5	5	13.67	98	70.0	1	32.58	10	41.6	5	46.70	12	39.1	7
19	20.67	11	42.0	6	12.69	100	70.1	5	32.48	11	41.1	5	46.58	13	39.8	4
29	20.56	12	41.4	5	11.69	98	69.6	9	32.37	11	40.6	5	46.45	14	40.2	1
Aug. 8	20.44	12	40.9	5	10.71	97	68.7	15	32.26	12	40.1	4	46.31	14	40.3	1
18	20.32	11	40.4	5	9.74	90	67.2	20	32.14	12	39.7	3	46.17	13	40.2	5
28	20.21	11	39.9	4	8.84	84	65.2	24	32.02	11	39.4	3	46.04	13	39.7	7
Sept. 7	20.10	9	39.5	3	8.00	74	62.8	28	31.91	9	39.1	1	45.91	10	39.0	11
17	20.01	6	39.2	2	7.26	63	60.0	32	31.82	6	39.0	1	45.81	8	37.9	13
27	19.95	2	39.0	0	6.63	49	56.8	35	31.76	3	39.1	2	45.73	5	36.6	16
Okt. 7	19.93	1	39.0	2	6.14	35	53.3	37	31.73	1	39.3	4	45.68	1	35.0	19
17	19.94	6	39.2	4	5.79	18	49.6	38	31.74	6	39.7	7	45.67	4	33.1	22
27	20.00	12	39.6	7	5.61	1	45.8	43	31.80	11	40.4	10	45.71	9	30.9	26
Nov. 6	[28] 20.12	16	40.3	9	[28] 5.62	21	41.5	39	[28] 31.91	16	41.4	12	[29] 45.80	14	28.3	26
16	20.28	21	41.2	12	5.83	39	37.6	37	32.07	20	42.6	14	45.94	19	25.7	28
26	20.49	25	42.4	14	6.22	56	33.9	35	32.27	25	44.0	16	46.13	24	22.9	28
Dez. 6	20.74	29	43.8	16	6.78	73	30.4	31	32.52	28	45.6	18	46.37	27	20.1	27
16	21.03	31	45.4	17	7.51	87	27.3	27	32.80	31	47.4	19	46.64	30	17.4	27
26	21.34	34	47.1	19	8.38	99	24.6	22	33.11	32	49.3	20	46.94	33	14.7	24
36	21.68		49.0		9.37		22.4		33.43		51.3		47.27		12.3	
Mittl. Ort	18.35		26.1		9.84		65.9		30.15		26.4		44.30		46.9	
sec δ, tg δ	1.015		−0.174		4.791		+4.686		1.005		−0.098		1.062		+0.357	

1914	527) λ Bootis. AR.	Δ	527) λ Bootis. Dekl. +	Δ	531) θ Bootis. AR.	Δ	531) θ Bootis. Dekl. +	Δ	534) ρ Bootis. AR.	Δ	534) ρ Bootis. Dekl. +	Δ	535) γ Bootis. AR.	Δ	535) γ Bootis. Dekl. +	Δ
	14h 13m		46° 28′		14h 22m		52° 14′		14h 28m		30° 44′		14h 28m		38° 40′	
Jan. 0	6.79	40	37.6	23	15.93	43	30.8	24	7.16	35	37.6	25	36.66	37	43.6	25
10	7.19	42	35.3	19	16.36	45	28.4	18	7.51	36	35.1	21	37.03	38	41.1	20
20	7.61	41	33.4	12	16.81	45	26.6	13	7.87	36	33.0	16	37.41	38	39.1	16
30	8.02	41	32.2	7	17.26	45	25.3	6	8.23	34	31.4	11	37.79	37	37.5	9
Febr. 9	8.43	38	31.5	0	17.71	42	24.7	0	8.57	33	30.3	6	38.16	35	36.6	4
19	8.81	35	31.5	5	18.13	38	24.7	6	8.90	31	29.7	0	38.51	32	36.2	2
März 1	9.16	30	32.0	11	18.51	35	25.3	12	9.21	27	29.7	4	38.83	30	36.4	7
11	9.46	26	33.1	16	18.86	29	26.5	17	9.48	23	30.1	10	39.13	25	37.1	12
21	9.72	21	34.7	20	19.15	24	28.2	22	9.71	20	31.1	13	39.38	21	38.3	17
31	9.93	15	36.7	24	19.39	17	30.4	24	9.91	16	32.4	16	39.59	16	40.0	20
April 10	10.08	11	39.1	25	19.56	12	32.8	27	10.07	13	34.0	20	39.75	12	42.0	22
20	10.19	5	41.6	27	19.68	6	35.5	28	10.20	8	36.0	20	39.87	8	44.2	24
30	10.24	0	44.3	26	19.74	0	38.3	28	10.28	5	38.0	22	39.95	4	46.6	25
Mai 10	10.24	3	46.9	26	19.74	5	41.1	27	10.33	1	40.2	21	39.99	0	49.1	24
20	10.21	8	49.5	23	19.69	9	43.8	26	10.34	2	42.3	21	39.99	3	51.5	23
30	10.13	11	51.8	22	19.60	14	46.4	22	10.32	5	44.4	19	39.96	7	53.8	22
Juni 9	10.02	15	54.0	18	19.46	17	48.6	20	10.27	7	46.3	18	39.89	10	56.0	18
19	9.87	17	55.8	14	19.29	21	50.6	15	10.20	11	48.1	14	39.79	13	57.8	16
29	9.70	20	57.2	11	19.08	23	52.1	11	10.09	12	49.5	12	39.66	15	59.4	12
Juli 9	9.50	21	58.3	6	18.85	26	53.2	7	9.97	14	50.7	8	39.51	17	60.6	8
19	9.29	23	58.9	2	18.59	27	53.9	2	9.83	16	51.5	5	39.34	19	61.4	5
29	9.06	23	59.1	3	18.32	28	54.1	3	9.67	16	52.0	1	39.15	19	61.9	0
Aug. 8	8.83	22	58.8	7	18.04	27	53.8	8	9.51	17	52.1	2	38.96	20	61.9	4
18	8.61	23	58.1	12	17.77	27	53.0	13	9.34	17	51.9	6	38.76	19	61.5	8
28	8.38	20	56.9	16	17.50	25	51.7	17	9.17	15	51.3	10	38.57	18	60.7	13
Sept. 7	8.18	18	55.3	20	17.25	22	50.0	21	9.02	14	50.3	13	38.39	17	59.4	16
17	8.00	14	53.3	24	17.03	19	47.9	25	8.88	11	49.0	17	38.22	13	57.8	20
27	7.86	10	50.9	28	16.84	13	45.4	29	8.77	8	47.3	21	38.09	10	55.8	23
Okt. 7	7.76	5	48.1	30	16.71	9	42.5	32	8.69	4	45.2	23	37.99	5	53.5	27
17	7.71	0	45.1	33	16.62	2	39.3	35	8.65	1	42.9	26	37.94	0	50.8	30
27	7.71	8	41.8	38	16.60	5	35.8	39	8.66	7	40.3	31	37.94	6	47.8	34
Nov. 6	[29] 7.79	13	38.0	35	[31] 16.65	11	31.9	37	[2] 8.73	12	37.2	30	[2] 38.00	11	44.4	33
16	7.92	20	34.5	36	16.76	20	28.2	37	8.85	17	34.2	31	38.11	17	41.1	34
26	8.12	26	30.9	34	16.96	26	24.5	36	9.02	22	31.1	31	38.28	23	37.7	34
Dez. 6	8.38	31	27.5	33	17.22	32	20.9	34	9.24	27	28.0	31	38.51	28	34.3	32
16	8.69	36	24.2	30	17.54	37	17.5	30	9.51	31	24.9	28	38.79	32	31.1	30
26	9.05	39	21.2	25	17.91	41	14.5	26	9.82	33	22.1	26	39.11	35	28.1	27
36	9.44		18.7		18.32		11.9		10.15		19.5		39.46		25.4	
Mittl. Ort	6.92		58.0		16.18		52.3		7.44		54.3		36.94		62.2	
sec δ, tg δ	1.452		+1.053		1.633		+1.291		1.164		+0.595		1.281		+0.801	

1914	537) η Centauri. AR.		Dekl. —		538) α² Centauri.*) AR.		Dekl. —		542) α Apodis. AR.		Dekl. —		543) ζ Bootis m. AR.		Dekl. +	
	14h 30m		41° 46′		14h 33m		60° 28′		14h 37m		78° 40′		14h 37m		14° 5′	
Jan. 0	1.43	42	45.9	9	43.86	60	36.7	1	2.10	131	40.8	3	2.11	33	35.6	23
10	1.85	43	46.8	12	44.46	59	36.8	10	3.41	135	40.5	2	2.44	33	33.3	21
20	2.28	43	48.0	15	45.05	58	37.8	13	4.76	137	40.7	8	2.77	33	31.2	18
30	2.71	41	49.5	18	45.63	57	39.1	17	6.13	134	41.5	13	3.10	33	29.4	14
Febr. 9	3.12	39	51.3	20	46.20	53	40.8	20	7.47	128	42.8	18	3.43	31	28.0	10
19	3.51	36	53.3	20	46.73	50	42.8	23	8.75	120	44.6	22	3.74	28	27.0	7
März 1	3.87	33	55.3	22	47.23	45	45.1	25	9.95	110	46.8	26	4.02	26	26.3	2
11	4.20	29	57.5	22	47.68	40	47.6	27	11.05	98	49.4	29	4.28	23	26.1	2
21	4.49	25	59.7	22	48.08	34	50.3	28	12.03	85	52.3	31	4.51	20	26.3	5
31	4.74	22	61.9	21	48.42	28	53.1	29	12.88	70	55.4	33	4.71	16	26.8	9
April 10	4.96	17	64.0	20	48.70	21	56.0	28	13.58	54	58.7	34	4.87	14	27.7	11
20	5.13	14	66.0	20	48.91	16	58.8	28	14.12	38	62.1	34	5.01	10	28.8	12
30	5.27	10	68.0	19	49.07	10	61.6	27	14.50	22	65.5	34	5.11	7	30.0	15
Mai 10	5.37	6	69.9	16	49.17	3	64.3	26	14.72	5	68.9	33	5.18	4	31.5	14
20	5.43	3	71.5	15	49.20	2	66.9	23	14.77	12	72.2	31	5.22	2	32.9	15
30	5.46	2	73.0	13	49.18	9	69.2	20	14.65	27	75.3	28	5.24	2	34.4	14
Juni 9	5.44	4	74.3	10	49.09	13	71.2	18	14.38	43	78.1	25	5.22	4	35.8	13
19	5.40	9	75.3	8	48.96	20	73.0	14	13.95	57	80.6	22	5.18	6	37.1	12
29	5.31	11	76.1	5	48.76	23	74.4	10	13.38	68	82.8	17	5.12	8	38.3	10
Juli 9	5.20	14	76.6	2	48.53	28	75.4	6	12.70	80	84.5	12	5.04	11	39.3	8
19	5.06	17	76.8	1	48.25	30	76.0	2	11.90	86	85.7	7	4.93	12	40.1	6
29	4.89	18	76.7	4	47.95	33	76.2	2	11.04	92	86.4	2	4.81	13	40.7	4
Aug. 8	4.71	19	76.3	7	47.62	33	76.0	7	10.12	92	86.6	4	4.68	14	41.1	2
18	4.52	17	75.6	9	47.29	32	75.3	11	9.20	90	86.2	9	4.54	14	41.3	2
28	4.35	17	74.7	12	46.97	30	74.2	15	8.30	84	85.3	15	4.40	13	41.1	4
Sept. 7	4.18	15	73.5	14	46.67	25	72.7	18	7.46	74	83.8	19	4.27	11	40.7	6
17	4.03	11	72.1	15	46.42	20	70.9	21	6.72	60	81.9	23	4.16	10	40.1	9
27	3.92	7	70.6	15	46.22	14	68.8	23	6.12	43	79.6	26	4.06	6	39.2	12
Okt. 7	3.85	1	69.1	16	46.08	5	66.5	23	5.69	25	77.0	28	4.00	3	38.0	15
17	3.84	4	67.5	15	46.03	4	64.2	24	5.44	3	74.2	29	3.97	2	36.5	18
27	3.88	12	66.0	14	46.07	15	61.8	25	5.41	23	71.3	32	3.99	7	34.7	22
Nov. 6	[2]4.00	19	64.6	11	[3]46.22	23	59.3	20	[4]5.64	43	68.1	27	[4]4.06	12	32.5	22
16	4.19	24	63.5	8	46.45	33	57.3	17	6.07	66	65.4	26	4.18	17	30.3	24
26	4.43	30	62.7	4	46.78	40	55.6	13	6.73	86	62.8	21	4.35	21	27.9	24
Dez. 6	4.73	36	62.3	1	47.18	48	54.3	10	7.59	102	60.7	17	4.56	25	25.5	26
16	5.09	37	62.2	3	47.66	53	53.3	4	8.61	117	59.0	12	4.81	29	22.9	25
26	5.46	41	62.5	7	48.19	57	52.9	0	9.78	127	57.8	7	5.10	31	20.4	24
36	5.87		63.2		48.76		52.9		11.05		57.1		5.41		18.0	
Mittl. Ort	2.40		50.4		45.56		45.2		7.18		51.4		2.49		47.8	
sec δ, tg δ	1.341		—0.894		2.030		—1.767		5.099		—5.000		1.031		+0.251	

*) Ort des hellen Sterns; die jährliche Parallaxe ist bereits angebracht.

1914	545) μ Virginis. AR.		545) μ Virginis. Dekl. −		547) 109 Virginis. AR.		547) 109 Virginis. Dekl. +		548) α Librae. AR.		548) α Librae. Dekl. −		549) Gr. 2164. AR.		549) Gr. 2164. Dekl. +	
	14h 38m		5° 17′		14h 41m		2° 14′		14h 46m		15° 41′		14h 49m		59° 37′	
Jan. 0	31.07	33	12.2	19	53.53	32	67.8	21	6.45	34	9.6	16	14.67	47	72.8	26
10	31.40	33	14.1	19	53.85	33	65.7	19	6.79	34	11.2	17	15.14	50	70.2	20
20	31.73	34	16.0	18	54.18	33	63.8	18	7.13	35	12.9	17	15.64	51	68.2	14
30	32.07	32	17.8	16	54.51	32	62.0	16	7.48	34	14.6	16	16.15	51	66.8	8
Febr. 9	32.39	31	19.4	14	54.83	31	60.4	12	7.82	32	16.2	16	16.66	50	66.0	1
19	32.70	28	20.8	12	55.14	28	59.2	10	8.14	30	17.8	14	17.16	47	65.9	5
März 1	32.98	26	22.0	10	55.42	26	58.2	7	8.44	27	19.2	13	17.63	43	66.4	12
11	33.24	23	23.0	7	55.68	23	57.5	3	8.71	25	20.5	11	18.06	37	67.6	17
21	33.47	21	23.7	4	55.91	20	57.2	0	8.96	21	21.6	9	18.43	31	69.3	22
31	33.68	17	24.1	2	56.11	18	57.2	2	9.17	19	22.5	8	18.74	24	71.5	26
April 10	33.85	14	24.3	0	56.29	14	57.4	5	9.36	16	23.3	5	18.98	17	74.1	29
20	33.99	12	24.3	2	56.43	11	57.9	6	9.52	13	23.8	4	19.15	10	77.0	29
30	34.11	8	24.1	3	56.54	8	58.5	8	9.65	10	24.2	3	19.25	3	79.9	31
Mai 10	34.19	6	23.8	4	56.62	6	59.3	8	9.75	7	24.5	2	19.28	4	83.0	30
20	34.25	3	23.4	5	56.68	3	60.1	10	9.82	4	24.7	0	19.24	10	86.0	28
30	34.28	0	22.9	5	56.71	0	61.1	9	9.86	2	24.7	0	19.14	16	88.8	25
Juni 9	34.28	2	22.4	6	56.71	3	62.0	9	9.88	2	24.7	1	18.98	21	91.3	22
19	34.26	4	21.8	6	56.68	5	62.9	8	9.86	4	24.6	2	18.77	26	93.5	19
29	34.22	7	21.2	6	56.63	7	63.7	8	9.82	7	24.4	3	18.51	30	95.4	14
Juli 9	34.15	9	20.6	5	56.56	9	64.5	7	9.75	9	24.1	4	18.21	33	96.8	10
19	34.06	11	20.1	5	56.47	11	65.2	6	9.66	11	23.7	4	17.88	36	97.8	4
29	33.95	12	19.6	5	56.36	12	65.8	4	9.55	12	23.3	4	17.52	37	98.2	1
Aug. 8	33.83	13	19.1	4	56.24	13	66.2	3	9.43	13	22.9	5	17.15	37	98.1	6
18	33.70	12	18.7	3	56.11	13	66.5	2	9.30	14	22.4	5	16.78	37	97.5	11
28	33.58	13	18.4	3	55.98	13	66.7	0	9.16	12	21.9	5	16.41	35	96.4	15
Sept. 7	33.45	10	18.1	1	55.85	11	66.7	2	9.04	12	21.4	5	16.06	33	94.9	20
17	33.35	8	18.0	1	55.74	9	66.5	4	8.92	9	20.9	4	15.73	28	92.9	25
27	33.27	6	18.1	2	55.65	5	66.1	6	8.83	6	20.5	3	15.45	24	90.4	28
Okt. 7	33.21	1	18.3	5	55.60	2	65.5	8	8.77	2	20.2	2	15.21	17	87.6	32
17	33.20	2	18.8	6	55.58	2	64.7	11	8.75	2	20.0	0	15.04	11	84.4	35
27	33.22	9	19.4	10	55.60	7	63.6	15	8.77	7	20.0	2	14.93	3	80.9	37
Nov. 6	[4] 33.31	13	20.4	11	[5] 55.67	12	62.1	15	8.84	14	20.2	4	14.90	7	77.2	41
16	33.44	18	21.5	13	55.79	17	60.6	17	[6] 8.98	18	20.6	7	[7] 14.97	15	73.1	38
26	33.62	22	22.8	15	55.96	21	58.9	20	9.16	23	21.3	9	15.12	23	69.3	38
Dez. 6	33.84	26	24.3	17	56.17	26	56.9	20	9.39	27	22.2	12	15.35	31	65.5	35
16	34.10	30	26.0	19	56.43	28	54.9	21	9.66	30	23.4	14	15.66	38	62.0	32
26	34.40	31	27.9	20	56.71	31	52.8	21	9.96	33	24.8	15	16.04	43	58.8	28
36	34.71		29.9		57.02		50.7		10.29		26.3		16.47		56.0	
Mittl. Ort	31.56		5.8		53.98		76.6		7.07		6.2		15.32		95.1	
sec δ, tg δ	1.004		−0.092		1.001		+0.039		1.039		−0.281		1.979		+1.707	

1914	550) β Ursae min. AR.		Dekl. +		551) P. XIV 221. AR.		Dekl. +		552) β Lupi. AR.		Dekl. —		555) β Bootis. AR.		Dekl. +	
	14h 50m		74° 29′		14h 52m		14° 47′		14h 52m		42° 47′		14h 58m		40° 43′	
Jan. 0	55.23 s		61.5″		9.18 s		22.9″		52.40 s		14.3″		41.87 s		26.1″	
		76		24		32		24		42		6		35		27
10	55.99		59.1		9.50		20.5		52.82		14.9		42.22		23.4	
		83		18		33		21		44		10		37		22
20	56.82		57.3		9.83		18.4		53.26		15.9		42.59		21.2	
		88		12		33		18		43		12		38		17
30	57.70		56.1		10.16		16.6		53.69		17.1		42.97		19.5	
		88		6		32		15		42		15		38		12
Febr. 9	58.58		55.5		10.48		15.1		54.11		18.6		43.35		18.3	
		87		—2		31		10		41		17		37		6
19	59.45		55.7		10.79		14.1		54.52		20.3		43.72		17.7	
		82		8		30		7		38		19		35		0
März 1	60.27		56.5		11.09		13.4		54.90		22.2		44.07		17.7	
		74		14		27		2		36		19		32		6
11	61.01		57.9		11.36		13.2		55.26		24.1		44.39		18.3	
		64		20		24		—2		32		21		28		11
21	61.65		59.9		11.60		13.4		55.58		26.2		44.67		19.4	
		52		24		21		5		28		20		24		16
31	62.17		62.3		11.81		13.9		55.86		28.2		44.91		21.0	
		39		28		18		9		25		21		20		20
April 10	62.56		65.1		11.99		14.8		56.11		30.3		45.11		23.0	
		25		30		14		12		21		20		16		23
20	62.81		68.1		12.13		16.0		56.32		32.3		45.27		25.3	
		11		32		12		13		17		19		12		25
30	62.92		71.3		12.25		17.3		56.49		34.2		45.39		27.8	
		—3		31		8		15		13		19		7		26
Mai 10	62.89		74.4		12.33		18.8		56.62		36.1		45.46		30.4	
		17		30		6		16		10		17		3		26
20	62.72		77.4		12.39		20.4		56.72		37.8		45.49		33.0	
		30		29		2		15		5		16		—1		25
30	62.42		80.3		12.41		21.9		56.77		39.4		45.48		35.5	
		41		25		0		15		1		13		5		24
Juni 9	62.01		82.8		12.41		23.4		56.78		40.7		45.43		37.9	
		52		22		3		14		—3		12		8		21
19	61.49		85.0		12.38		24.8		56.75		41.9		45.35		40.0	
		61		17		5		13		6		9		12		19
29	60.88		86.7		12.33		26.1		56.69		42.8		45.23		41.9	
		68		13		8		11		10		7		15		15
Juli 9	60.20		88.0		12.25		27.2		56.59		43.5		45.08		43.4	
		73		8		10		9		14		4		17		11
19	59.47		88.8		12.15		28.1		56.45		43.9		44.91		44.5	
		77		2		12		7		15		1		20		7
29	58.70		89.0		12.03		28.8		56.30		44.0		44.71		45.2	
		80		—3		14		4		18		—2		21		3
Aug. 8	57.90		88.7		11.89		29.2		56.12		43.8		44.50		45.5	
		79		8		14		2		20		5		22		—1
18	57.11		87.9		11.75		29.4		55.92		43.3		44.28		45.4	
		78		13		14		—1		19		8		22		6
28	56.33		86.6		11.61		29.3		55.73		42.5		44.06		44.8	
		74		18		14		3		19		10		21		10
Sept. 7	55.59		84.8		11.47		29.0		55.54		41.5		43.85		43.8	
		68		23		13		6		16		12		20		15
17	54.91		82.5		11.34		28.4		55.38		40.3		43.65		42.3	
		62		27		11		9		14		15		17		18
27	54.29		79.8		11.23		27.5		55.24		38.8		43.48		40.5	
		52		31		8		12		9		15		13		22
Okt. 7	53.77		76.7		11.15		26.3		55.15		37.3		43.35		38.3	
		42		34		4		15		5		15		10		26
17	53.35		73.3		11.11		24.8		55.10		35.8		43.25		35.7	
		29		36		0		17		—2		16		5		29
27	53.06		69.7		11.11		23.1		55.12		34.2		43.20		32.8	
		15		38		5		20		8		14		—1		31
Nov. 6	52.91		65.9		11.16		21.1		55.20		32.8		43.21		29.7	
		—1		43		11		24		16		13		8		36
16	[7] 52.92		61.6		[8] 11.27		18.7		[8] 55.36		31.5		[9] 43.29		26.1	
		16		38		15		24		22		10		13		35
26	53.08		57.8		11.42		16.3		55.58		30.5		43.42		22.6	
		32		38		20		26		28		7		19		34
Dez. 6	53.40		54.0		11.62		13.7		55.86		29.8		43.61		19.2	
		46		34		24		25		33		2		25		34
16	53.86		50.6		11.86		11.2		56.19		29.6		43.86		15.8	
		59		32		27		25		38		0		29		31
26	54.45		47.4		12.13		8.7		56.57		29.6		44.15		12.7	
		70		27		31		24		40		4		34		29
36	55.15		44.7		12.44		6.3		56.97		30.0		44.49		9.8	
Mittl. Ort	56.58		85.1		9.64		35.5		53.52		17.9		42.39		45.1	
sec δ, tg δ	3.744		+3.608		1.034		+0.264		1.363		—0.926		1.320		+0.861	

1914	556) γ Scorpii. AR.		Dekl. −		557) ψ Bootis. AR.		Dekl. +		558) ζ Lupi. AR.		Dekl. −		560) γ Triang. austr. AR.		Dekl. −	
	14h 59m		24° 56′		15h 0m		27° 16′		15h 6m		51° 46′		15h 10m		68° 21′	
Jan. 0	1.18		42.3		45.13		40.7		4.38		16.9		49.00		39.3	
		35		12		32		26		48		2		72		6
10	1.53		43.5		45.45		38.1		4.86		17.1		49.72		38.7	
		36		14		34		23		49		5		76		0
20	1.89		44.9		45.79		35.8		5.35		17.6		50.48		38.7	
		37		15		34		18		49		9		78		5
30	2.26		46.4		46.13		34.0		5.84		18.5		51.26		39.2	
		35		15		35		14		50		13		77		9
Febr. 9	2.61		47.9		46.48		32.6		6.34		19.8		52.03		40.1	
		35		16		33		8		48		15		76		14
19	2.96		49.5		46.81		31.8		6.82		21.3		52.79		41.5	
		32		16		31		4		45		18		72		17
März 1	3.28		51.1		47.12		31.4		7.27		23.1		53.51		43.2	
		30		15		28		2		42		20		68		21
11	3.58		52.6		47.40		31.6		7.69		25.1		54.19		45.3	
		27		13		26		7		39		21		62		24
21	3.85		53.9		47.66		32.3		8.08		27.2		54.81		47.7	
		24		13		22		10		35		23		56		26
31	4.09		55.2		47.88		33.3		8.43		29.5		55.37		50.3	
		21		12		19		15		30		23		49		28
April 10	4.30		56.4		48.07		34.8		8.73		31.8		55.86		53.1	
		18		10		16		18		26		23		41		29
20	4.48		57.4		48.23		36.6		8.99		34.1		56.27		56.0	
		15		10		12		19		22		23		33		29
30	4.63		58.4		48.35		38.5		9.21		36.4		56.60		58.9	
		12		8		8		21		17		23		25		30
Mai 10	4.75		59.2		48.43		40.6		9.38		38.7		56.85		61.9	
		9		7		5		21		12		22		16		29
20	4.84		59.9		48.48		42.7		9.50		40.9		57.01		64.8	
		6		5		2		22		7		20		7		28
30	4.90		60.4		48.50		44.9		9.57		42.9		57.08		67.6	
		2		4		2		20		1		18		1		26
Juni 9	4.92		60.8		48.48		46.9		9.58		44.7		57.07		70.2	
		0		4		4		18		3		17		10		23
19	4.92		61.2		48.44		48.7		9.55		46.4		56.97		72.5	
		4		1		7		16		7		13		19		21
29	4.88		61.3		48.37		50.3		9.48		47.7		56.78		74.6	
		7		1		10		14		13		11		26		17
Juli 9	4.81		61.4		48.27		51.7		9.35		48.8		56.52		76.3	
		9		1		13		11		16		8		33		13
19	4.72		61.3		48.14		52.8		9.19		49.6		56.19		77.6	
		11		2		15		7		19		4		39		8
29	4.61		61.1		47.99		53.5		9.00		50.0		55.80		78.4	
		13		4		16		5		23		0		43		4
Aug. 8	4.48		60.7		47.83		54.0		8.77		50.0		55.37		78.8	
		15		4		17		1		24		3		45		1
18	4.33		60.3		47.66		54.1		8.53		49.7		54.92		78.7	
		15		6		17		3		25		6		46		5
28	4.18		59.7		47.49		53.8		8.28		49.1		54.46		78.2	
		14		7		17		7		24		10		45		11
Sept. 7	4.04		59.0		47.32		53.1		8.04		48.1		54.01		77.1	
		13		7		15		10		22		14		41		14
17	3.91		58.3		47.17		52.1		7.82		46.7		53.60		75.7	
		11		8		14		13		18		16		35		19
27	3.80		57.5		47.03		50.8		7.64		45.1		53.25		73.8	
		7		7		10		17		14		17		27		22
Okt. 7	3.73		56.8		46.93		49.1		7.50		43.4		52.98		71.6	
		4		7		7		21		8		19		18		24
17	3.69		56.1		46.86		47.0		7.42		41.5		52.80		69.2	
		2		5		2		23		0		20		7		26
27	3.71		55.6		46.84		44.7		7.42		39.5		52.73		66.6	
		6		4		2		25		6		19		6		26
Nov. 6	3.77		55.2		46.86		42.2		7.48		37.6		52.79		64.0	
		14		2		9		31		16		19		20		28
16	[10] 3.91		55.0		[10] 46.95		39.1		[11] 7.64		35.7		[12] 52.99		61.2	
		18		1		14		30		23		15		32		23
26	4.09		55.1		47.09		36.1		7.87		34.2		53.31		58.9	
		23		3		19		30		30		12		43		21
Dez. 6	4.32		55.4		47.28		33.1		8.17		33.0		53.74		56.8	
		27		6		23		30		37		9		53		16
16	4.59		56.0		47.51		30.1		8.54		32.1		54.27		55.2	
		31		8		28		29		41		5		63		13
26	4.90		56.8		47.79		27.2		8.95		31.6		54.90		53.9	
		34		11		30		27		46		1		70		8
36	5.24		57.9		48.09		24.5		9.41		31.5		55.60		53.1	
Mittl. Ort	1.96		41.0		45.62		56.5		5.87		21.7		51.82		46.3	
sec δ, tg δ	1.103		−0.465		1.125		+0.516		1.616		−1.270		2.713		−2.522	

1914	563) δ Bootis. AR.	Δ	Dekl. +	Δ	564) β Librae. AR.	Δ	Dekl. −	Δ	565) I H. Urs. min. AR.	Δ	Dekl. +	Δ	566) φ¹ Lupi. AR.	Δ	Dekl. −	Δ
	$15^h 12^m$		33° 37′		$15^h 12^m$		9° 3′		$15^h 13^m$		67° 39′		$15^h 16^m$		35° 56′	
Jan. 0	1.55	32	49.0	27	21.94	32	64.9	17	37.47	54	60.7	27	19.59	37	59.9	6
10	1.87	35	46.3	24	22.26	33	66.6	17	38.01	60	58.0	22	19.96	39	60.5	9
20	2.22	35	43.9	19	22.59	33	68.3	16	38.61	63	55.8	16	20.35	40	61.4	12
30	2.57	36	42.0	13	22.92	33	69.9	15	39.24	64	54.2	10	20.75	40	62.6	13
Febr. 9	2.93	35	40.7	8	23.25	32	71.4	14	39.88	64	53.2	3	21.15	38	63.9	15
19	3.28	33	39.9	3	23.57	31	72.8	12	40.52	62	52.9	4	21.53	37	65.4	15
März 1	3.61	30	39.6	3	23.88	28	74.0	10	41.14	57	53.3	11	21.90	34	66.9	16
11	3.91	28	39.9	8	24.16	26	75.0	7	41.71	51	54.4	16	22.24	32	68.5	16
21	4.19	24	40.7	13	24.42	23	75.7	5	42.22	43	56.0	22	22.56	28	70.1	17
31	4.43	20	42.0	17	24.65	21	76.2	3	42.65	35	58.2	26	22.84	26	71.8	15
April 10	4.63	17	43.7	20	24.86	17	76.5	2	43.00	25	60.8	28	23.10	22	73.3	16
20	4.80	13	45.7	22	25.03	15	76.7	1	43.25	16	63.6	31	23.32	18	74.9	14
30	4.93	10	47.9	24	25.18	13	76.6	2	43.41	6	66.7	31	23.50	16	76.3	14
Mai 10	5.03	5	50.3	24	25.31	9	76.4	3	43.47	3	69.8	32	23.66	12	77.7	13
20	5.08	2	52.7	24	25.40	6	76.1	4	43.44	13	73.0	30	23.78	8	79.0	12
30	5.10	2	55.1	22	25.46	4	75.7	4	43.31	21	76.0	28	23.86	4	80.2	10
Juni 9	5.08	5	57.3	21	25.50	0	75.3	5	43.10	29	78.8	24	23.90	0	81.2	9
19	5.03	8	59.4	19	25.50	2	74.8	4	42.81	35	81.2	20	23.90	3	82.1	7
29	4.95	11	61.3	15	25.48	5	74.4	5	42.46	42	83.2	17	23.87	7	82.8	6
Juli 9	4.84	14	62.8	12	25.43	8	73.9	5	42.04	47	84.9	11	23.80	10	83.4	3
19	4.70	17	64.0	9	25.35	10	73.4	5	41.57	50	86.0	7	23.70	13	83.7	1
29	4.53	18	64.9	5	25.25	12	72.9	4	41.07	53	86.7	2	23.57	15	83.8	1
Aug. 8	4.35	19	65.4	1	25.13	13	72.5	4	40.54	55	86.9	4	23.42	17	83.7	3
18	4.16	19	65.5	3	25.00	14	72.1	4	39.99	54	86.5	9	23.25	17	83.4	6
28	3.97	19	65.2	7	24.86	14	71.7	3	39.45	53	85.6	14	23.08	18	82.8	8
Sept. 7	3.78	18	64.5	12	24.72	13	71.4	2	38.92	49	84.2	19	22.90	16	82.0	9
17	3.60	16	63.3	15	24.59	11	71.2	2	38.43	46	82.3	24	22.74	14	81.1	10
27	3.44	13	61.8	18	24.48	8	71.0	1	37.97	40	79.9	28	22.60	10	80.1	12
Okt. 7	3.31	9	60.0	23	24.40	4	71.1	1	37.57	32	77.1	31	22.50	6	78.9	12
17	3.22	5	57.7	25	24.36	1	71.2	4	37.25	23	74.0	34	22.44	1	77.7	11
27	3.17	0	55.2	28	24.35	5	71.6	5	37.02	14	70.6	37	22.43	5	76.6	11
Nov. 6	3.17	7	52.4	33	24.40	10	72.1	9	36.88	3	66.9	42	22.48	12	75.5	10
16	[13] 3.24	12	49.1	32	[13] 24.50	15	73.0	10	[13] 36.85	9	62.7	39	[11] 22.60	18	74.5	7
26	3.36	18	45.9	33	24.65	19	74.0	11	36.94	20	58.8	38	22.78	23	73.8	4
Dez. 6	3.54	22	42.6	32	24.84	24	75.1	14	37.14	31	55.0	36	23.01	29	73.4	1
16	3.76	27	39.4	31	25.08	27	76.5	16	37.45	41	51.4	33	23.30	33	73.3	2
26	4.03	31	36.3	28	25.35	32	78.1	16	37.86	49	48.1	30	23.63	36	73.5	5
36	4.34		33.5		25.67		79.7		38.35		45.1		23.99		74.0	
Mittl. Ort	2.14		66.3		22.62		58.7		38.79		83.2		20.64		60.6	
sec δ, tg δ	1.201		+0.665		1.013		−0.160		2.632		+2.435		1.235		−0.725	

1914	569) γ Ursae min. AR.		569) Dekl. +		568) μ Bootis. AR.		568) Dekl. +		571) ι Dracon. AR.		571) Dekl. +		572) β Coron. bor. AR.		572) Dekl. +	
	15h 20m		72° 7′		15h 21m		37° 40′		15h 22m		59° 15′		15h 24m		29° 23′	
Jan. 0	49.51	62	61.5	28	13.80	32	23.6	28	59.81	42	39.9	29	16.34	30	49.3	27
10	50.13	69	58.7	22	14.12	35	20.8	24	60.23	46	37.0	24	16.64	33	46.6	23
20	50.82	74	56.5	16	14.47	36	18.4	20	60.69	50	34.6	18	16.97	35	44.3	20
30	51.56	77	54.9	10	14.83	37	16.4	14	61.19	50	32.8	12	17.32	34	42.3	15
Febr. 9	52.33	77	53.9	2	15.20	36	15.0	8	61.69	50	31.6	5	17.66	34	40.8	9
19	53.10	75	53.7	4	15.56	34	14.2	2	62.19	48	31.1	2	18.00	32	39.9	5
März 1	53.85	69	54.1	10	15.90	32	14.0	4	62.67	46	31.3	8	18.32	30	39.4	1
11	54.54	62	55.1	17	16.22	29	14.4	8	63.13	40	32.1	14	18.62	28	39.5	7
21	55.16	53	56.8	22	16.51	26	15.2	14	63.53	36	33.5	20	18.90	24	40.2	10
31	55.69	43	59.0	25	16.77	22	16.6	18	63.89	29	35.5	23	19.14	21	41.2	15
April 10	56.12	31	61.5	29	16.99	18	18.4	22	64.18	23	37.8	28	19.35	18	42.7	19
20	56.43	19	64.4	31	17.17	14	20.6	24	64.41	16	40.6	29	19.53	15	44.6	21
30	56.62	7	67.5	32	17.31	10	23.0	25	64.57	9	43.5	31	19.68	11	46.7	22
Mai 10	56.69	5	70.7	32	17.41	6	25.5	26	64.66	1	46.6	31	19.79	7	48.9	23
20	56.64	17	73.9	30	17.47	2	28.1	25	64.67	4	49.7	30	19.86	4	51.2	23
30	56.47	27	76.9	28	17.49	1	30.6	25	64.63	11	52.7	28	19.90	0	53.5	22
Juni 9	56.20	37	79.7	25	17.48	6	33.1	22	64.52	17	55.5	25	19.90	3	55.7	20
19	55.83	46	82.2	21	17.42	9	35.3	20	64.35	22	58.0	23	19.87	7	57.7	19
29	55.37	54	84.3	17	17.33	12	37.3	17	64.13	27	60.3	18	19.80	9	59.6	16
Juli 9	54.83	61	86.0	13	17.21	16	39.0	14	63.86	31	62.1	14	19.71	12	61.2	13
19	54.22	65	87.3	7	17.05	17	40.4	10	63.55	34	63.5	9	19.59	15	62.5	10
29	53.57	68	88.0	2	16.88	20	41.4	5	63.21	37	64.4	4	19.44	17	63.5	6
Aug. 8	52.89	70	88.2	4	16.68	21	41.9	1	62.84	38	64.8	2	19.27	18	64.1	2
18	52.19	71	87.8	8	16.47	21	42.0	3	62.46	39	64.6	6	19.09	18	64.3	1
28	51.48	68	87.0	14	16.26	22	41.7	7	62.07	38	64.0	11	18.91	19	64.2	5
Sept. 7	50.80	65	85.6	19	16.04	20	41.0	11	61.69	36	62.9	16	18.72	17	63.7	9
17	50.15	59	83.7	23	15.84	18	39.9	16	61.33	33	61.3	21	18.55	16	62.8	13
27	49.56	53	81.4	27	15.66	15	38.3	19	61.00	29	59.2	25	18.39	13	61.5	16
Okt. 7	49.03	43	78.7	31	15.51	11	36.4	23	60.71	24	56.7	29	18.26	10	59.9	20
17	48.60	34	75.6	34	15.40	7	34.1	26	60.47	16	53.8	32	18.16	5	57.9	23
27	48.26	23	72.2	36	15.33	2	31.5	29	60.31	10	50.6	35	18.11	0	55.6	26
Nov. 6	48.03	9	68.6	42	15.31	5	28.6	35	60.21	1	47.1	41	18.11	5	53.0	28
16	[15]47.94	6	64.4	38	[15]15.36	11	25.1	33	[15]60.20	8	43.0	38	18.16	11	50.2	33
26	48.00	19	60.6	37	15.47	16	21.8	34	60.28	16	39.2	38	[16]18.27	16	46.9	31
Dez. 6	48.19	32	56.9	38	15.63	22	18.4	33	60.44	25	35.4	36	18.43	21	43.8	30
16	48.51	45	53.1	34	15.85	26	15.1	32	60.69	32	31.8	34	18.64	26	40.8	30
26	48.96	56	49.7	30	16.11	31	11.9	29	61.01	39	28.4	31	18.90	29	37.8	28
36	49.52		46.7		16.42		9.0		61.40		25.3		19.19		35.0	
Mittl. Ort	51.31		84.0		14.47		41.6		60.88		61.2		16.99		65.5	
sec δ, tg δ	3.261		+3.103		1.263		+0.772		1.957		+1.682		1.148		+0.563	

1914	573) ν^1 Bootis. AR.		Dekl. +		575) γ Lupi. AR.		Dekl. −	
	$15^h 27^m$		41° 6′		$15^h 29^m$		40° 52′	
Jan. 0	49.64	33	73.9	28	23.00	39	41.5	3
10	49.97	35	71.1	25	23.39	42	41.8	6
20	50.32	37	68.6	20	23.81	42	42.4	9
30	50.69	38	66.6	14	24.23	42	43.3	11
Febr. 9	51.07	37	65.2	8	24.65	41	44.4	13
19	51.44	36	64.4	2	25.06	39	45.7	15
März 1	51.80	33	64.2	3	25.45	37	47.2	15
11	52.13	31	64.5	10	25.82	35	48.7	17
21	52.44	27	65.5	15	26.17	32	50.4	17
31	52.71	24	67.0	18	26.49	28	52.1	17
April 10	52.95	19	68.8	23	26.77	25	53.8	16
20	53.14	15	71.1	25	27.02	22	55.4	17
30	53.29	10	73.6	26	27.24	17	57.1	16
Mai 10	53.39	7	76.2	28	27.41	14	58.7	15
20	53.46	2	79.0	27	27.55	10	60.2	14
30	53.48	2	81.7	25	27.65	6	61.6	14
Juni 9	53.46	6	84.2	24	27.71	2	63.0	11
19	53.40	10	86.6	21	27.73	3	64.1	10
29	53.30	13	88.7	18	27.70	6	65.1	8
Juli 9	53.17	17	90.5	14	27.64	11	65.9	6
19	53.00	19	91.9	10	27.53	13	66.5	3
29	52.81	21	92.9	6	27.40	17	66.8	1
Aug. 8	52.60	23	93.5	2	27.23	18	66.9	2
18	52.37	23	93.7	3	27.05	20	66.7	5
28	52.14	23	93.4	7	26.85	19	66.2	7
Sept. 7	51.91	22	92.7	12	26.66	18	65.5	10
17	51.69	20	91.5	16	26.48	16	64.5	11
27	51.49	17	89.9	19	26.32	13	63.4	13
Okt. 7	51.32	14	88.0	24	26.19	8	62.1	14
17	51.18	8	85.6	27	26.11	3	60.7	13
27	51.10	3	82.9	30	26.08	4	59.4	14
Nov. 6	51.07	2	79.9	33	26.12	10	58.0	12
16	51.09	10	76.6	37	26.22	18	56.8	11
26	[17] 51.19	16	72.9	35	[17] 26.40	23	55.7	8
Dez. 6	51.35	21	69.4	34	26.63	29	54.9	5
16	51.56	26	66.0	33	26.92	34	54.4	2
26	51.82	31	62.7	30	27.26	37	54.2	1
36	52.13		59.7		27.63		54.3	
Mittl. Ort	50.40		92.4		24.22		42.6	
sec δ, tg δ	1.328		+0.873		1.323		−0.866	

1914	577) γ Librae. AR.		Dekl. −		578) α Coron. bor. AR.		Dekl. +	
	$15^h 30^m$		14° 30′		$15^h 31^m$		26° 59′	
Jan. 0	41.98	32	17.6	14	2.10	30	56.9	27
10	42.30	33	19.0	14	2.40	32	54.2	24
20	42.63	34	20.4	15	2.72	33	51.8	20
30	42.97	34	21.9	14	3.05	35	49.8	15
Febr. 9	43.31	32	23.3	13	3.40	33	48.3	10
19	43.63	32	24.6	12	3.73	32	47.3	5
März 1	43.95	30	25.8	11	4.05	30	46.8	0
11	44.25	27	26.9	8	4.35	28	46.8	5
21	44.52	25	27.7	7	4.63	24	47.3	10
31	44.77	23	28.4	5	4.87	22	48.3	13
April 10	45.00	20	28.9	3	5.09	19	49.6	18
20	45.20	17	29.2	2	5.28	15	51.4	19
30	45.37	14	29.4	1	5.43	11	53.3	22
Mai 10	45.51	12	29.5	0	5.54	9	55.5	22
20	45.63	8	29.5	1	5.63	5	57.7	22
30	45.71	6	29.4	2	5.68	1	59.9	22
Juni 9	45.77	2	29.2	2	5.69	2	62.1	20
19	45.79	1	29.0	3	5.67	5	64.1	18
29	45.78	4	28.7	3	5.62	9	65.9	16
Juli 9	45.74	8	28.4	3	5.53	11	67.5	13
19	45.66	10	28.1	3	5.42	14	68.8	10
29	45.56	11	27.8	4	5.28	16	69.8	7
Aug. 8	45.45	13	27.4	4	5.12	17	70.5	3
18	45.32	15	27.0	3	4.95	18	70.8	0
28	45.17	14	26.7	4	4.77	18	70.8	4
Sept. 7	45.03	14	26.3	4	4.59	17	70.4	8
17	44.89	12	25.9	3	4.42	16	69.6	11
27	44.77	9	25.6	2	4.26	13	68.5	15
Okt. 7	44.68	6	25.4	1	4.13	10	67.0	19
17	44.62	2	25.3	0	4.03	5	65.1	22
27	44.60	3	25.3	2	3.98	1	62.9	24
Nov. 6	44.63	8	25.5	4	3.97	5	60.5	27
16	44.71	15	25.9	6	4.02	11	57.8	31
26	[17] 44.86	18	26.5	8	[17] 4.13	16	54.7	30
Dez. 6	45.04	23	27.3	10	4.29	20	51.7	30
16	45.27	27	28.3	12	4.49	25	48.7	30
26	45.54	30	29.5	13	4.74	28	45.7	27
36	45.84		30.8		5.02		43.0	
Mittl. Ort	42.78		12.3		2.78		72.5	
sec δ, tg δ	1.033		−0.259		1.122		+0.510	

1914	582) α Serpentis. AR.		Dekl. +		583) β Serpentis. AR.		Dekl. +		584) κ Serpentis. AR.		Dekl. +		585) μ Serpentis. AR.		Dekl. —	
	15h 40m		6° 41′		15h 42m		15° 40′		15h 44m		18° 23′		15h 45m		3° 10′	
	s		″		s		″		s		″		s		″	
Jan. 0	1.13	29	32.9	22	12.35	29	71.9	25	51.35	29	69.6	26	7.05	29	12.6	18
10	1.42	31	30.7	20	12.64	31	69.4	22	51.64	31	67.0	22	7.34	31	14.4	17
20	1.73	32	28.7	18	12.95	32	67.2	19	51.95	32	64.8	20	7.65	32	16.1	16
30	2.05	32	26.9	15	13.27	33	65.3	16	52.27	32	62.8	16	7.97	33	17.7	15
Febr. 9	2.37	32	25.4	12	13.60	32	63.7	11	52.59	32	61.2	11	8.30	31	19.2	13
19	2.69	30	24.2	9	13.92	30	62.6	8	52.91	31	60.1	8	8.61	31	20.5	10
März 1	2.99	29	23.3	5	14.22	29	61.8	3	53.22	30	59.3	2	8.92	29	21.5	7
11	3.28	27	22.8	2	14.51	28	61.5	1	53.52	27	59.1	2	9.21	28	22.2	4
21	3.55	24	22.6	3	14.79	24	61.6	5	53.79	25	59.3	6	9.49	25	22.6	2
31	3.79	22	22.9	5	15.03	22	62.1	10	54.04	23	59.9	10	9.74	22	22.8	1
April 10	4.01	19	23.4	7	15.25	20	63.1	12	54.27	19	60.9	14	9.96	20	22.7	2
20	4.20	16	24.1	10	15.45	16	64.3	14	54.46	17	62.3	15	10.16	18	22.5	5
30	4.36	14	25.1	12	15.61	13	65.7	16	54.63	13	63.8	18	10.34	15	22.0	6
Mai 10	4.50	11	26.3	12	15.74	11	67.3	18	54.76	10	65.6	19	10.49	12	21.4	8
20	4.61	8	27.5	14	15.85	7	69.1	17	54.86	8	67.5	19	10.61	9	20.6	8
30	4.69	5	28.9	13	15.92	4	70.8	18	54.94	4	69.4	19	10.70	6	19.8	8
Juni 9	4.74	1	30.2	13	15.96	0	72.6	17	54.98	0	71.3	18	10.76	2	19.0	8
19	4.75	1	31.5	12	15.96	2	74.3	15	54.98	3	73.1	16	10.78	0	18.2	8
29	4.74	5	32.7	11	15.94	6	75.8	14	54.95	6	74.7	15	10.78	3	17.4	8
Juli 9	4.69	7	33.8	9	15.88	8	77.2	12	54.89	9	76.2	12	10.75	7	16.6	7
19	4.62	10	34.7	8	15.80	11	78.4	9	54.80	11	77.4	10	10.68	9	15.9	6
29	4.52	12	35.5	6	15.69	13	79.3	7	54.69	14	78.4	8	10.59	11	15.3	5
Aug. 8	4.40	14	36.1	5	15.56	15	80.0	5	54.55	15	79.2	4	10.48	14	14.8	4
18	4.26	15	36.6	2	15.41	16	80.5	2	54.40	17	79.6	2	10.34	14	14.4	3
28	4.11	15	36.8	0	15.25	17	80.7	1	54.23	16	79.8	1	10.20	15	14.1	2
Sept. 7	3.96	14	36.8	2	15.08	16	80.6	4	54.07	17	79.7	5	10.05	14	13.9	1
17	3.82	13	36.6	4	14.92	14	80.2	8	53.90	14	79.2	8	9.91	13	13.8	1
27	3.69	11	36.2	6	14.78	11	79.4	10	53.76	13	78.4	11	9.78	10	13.9	3
Okt. 7	3.58	8	35.6	9	14.67	9	78.4	13	53.63	9	77.3	14	9.68	8	14.2	4
17	3.50	4	34.7	12	14.58	5	77.1	16	53.54	6	75.9	17	9.60	3	14.6	6
27	3.46	1	33.5	14	14.53	0	75.5	18	53.48	1	74.2	20	9.57	1	15.2	8
Nov. 6	3.47	6	32.1	16	14.53	4	73.7	21	53.47	4	72.2	22	9.58	6	16.0	10
16	3.53	11	30.5	20	[20] 14.57	11	71.6	26	[21] 53.51	10	70.0	27	[21] 9.64	11	17.0	14
26	[20] 3.64	16	28.5	20	14.68	15	69.0	25	53.61	15	67.3	26	9.75	16	18.4	15
Dez. 6	3.80	20	26.5	21	14.83	20	66.5	25	53.76	19	64.7	27	9.91	21	19.9	16
16	4.00	25	24.4	22	15.03	23	64.0	26	53.95	23	62.0	27	10.12	24	21.5	17
26	4.25	27	22.2	21	15.26	27	61.4	24	54.18	27	59.3	25	10.36	28	23.2	17
36	4.52		20.1		15.53		59.0		54.45		56.8		10.64		24.9	
Mittl. Ort	1.85		43.7		13.07		84.8		52.09		83.2		7.82		4.1	
sec δ, tg δ	1.007		+0.117		1.039		+0.281		1.054		+0.333		1.002		—0.055	

1914	588) ε Serpentis. AR.		Dekl. +		590) ζ Ursae min. AR.		Dekl. +		589) β Triang. aust. AR.		Dekl. −		593) ε Coron bor. AR.		Dekl. +	
	15ʰ 46ᵐ		4° 43′		15ʰ 46ᵐ		78° 3′		15ʰ 47ᵐ		63° 9′		15ʰ 54ᵐ		27° 7′	
Jan. 0	30.92	28	58.6	21	62.62	75	12.8	29	30.81	57	54.9	8	0.76	29	19.1	27
10	31.20	31	56.5	19	63.37	89	9.9	24	31.38	62	54.1	4	1.05	30	16.4	25
20	31.51	32	54.6	18	64.26	99	7.5	18	32.00	64	53.7	1	1.35	33	13.9	21
30	31.83	32	52.8	15	65.25	107	5.7	13	32.64	66	53.8	4	1.68	34	11.8	16
Febr. 9	32.15	31	51.3	12	66.32	109	4.4	5	33.30	64	54.2	9	2.02	33	10.2	12
19	32.46	31	50.1	10	67.41	109	3.9	2	33.94	64	55.1	13	2.35	32	9.0	6
März 1	32.77	29	49.1	5	68.50	103	4.1	8	34.58	60	56.4	15	2.67	31	8.4	1
11	33.06	27	48.6	2	69.53	95	4.9	14	35.18	57	57.9	19	2.98	29	8.3	4
21	33.33	25	48.4	1	70.48	83	6.3	19	35.75	53	59.8	21	3.27	26	8.7	9
31	33.58	22	48.5	5	71.31	69	8.2	25	36.28	48	61.9	23	3.53	24	9.6	13
April 10	33.80	20	49.0	6	72.00	52	10.7	28	36.76	42	64.2	24	3.77	21	10.9	17
20	34.00	18	49.6	9	72.52	36	13.5	30	37.18	36	66.6	25	3.98	17	12.6	20
30	34.18	14	50.5	11	72.88	17	16.5	32	37.54	29	69.1	26	4.15	14	14.6	21
Mai 10	34.32	12	51.6	12	73.05	2	19.7	32	37.83	23	71.7	26	4.29	11	16.7	23
20	34.44	8	52.8	12	73.03	19	22.9	31	38.06	15	74.3	25	4.40	7	19.0	23
30	34.52	6	54.0	13	72.84	37	26.0	30	38.21	9	76.8	24	4.47	3	21.3	23
Juni 9	34.58	2	55.3	12	72.47	53	29.0	27	38.30	0	79.2	23	4.50	0	23.6	22
19	34.60	1	56.5	11	71.94	68	31.7	23	38.30	7	81.5	21	4.50	4	25.8	20
29	34.59	4	57.6	11	71.26	81	34.0	19	38.23	13	83.6	17	4.46	7	27.8	17
Juli 9	34.55	7	58.7	9	70.45	91	35.9	15	38.10	21	85.3	15	4.39	10	29.5	15
19	34.48	10	59.6	8	69.54	100	37.4	10	37.89	27	86.8	11	4.29	13	31.0	12
29	34.38	12	60.4	6	68.54	105	38.4	6	37.62	30	87.9	7	4.16	16	32.2	8
Aug. 8	34.26	13	61.0	5	67.49	110	39.0	0	37.32	35	88.6	3	4.00	17	33.0	5
18	34.13	15	61.5	3	66.39	112	39.0	6	36.97	37	88.9	3	3.83	19	33.5	2
28	33.98	15	61.8	1	65.27	110	38.4	10	36.60	37	88.6	5	3.64	19	33.7	2
Sept. 7	33.83	15	61.9	2	64.17	107	37.4	16	36.23	36	88.1	10	3.45	18	33.5	6
17	33.68	13	61.7	3	63.10	100	35.8	20	35.87	32	87.1	15	3.27	17	32.9	10
27	33.55	11	61.4	6	62.10	92	33.8	24	35.55	27	85.6	17	3.10	15	31.9	13
Okt. 7	33.44	7	60.8	8	61.18	80	31.4	29	35.28	20	83.9	21	2.95	12	30.6	18
17	33.37	4	60.0	10	60.38	66	28.5	32	35.08	11	81.8	22	2.83	8	28.8	20
27	33.33	0	59.0	13	59.72	50	25.3	34	34.97	2	79.6	24	2.75	3	26.8	23
Nov. 6	33.33	5	57.7	15	59.22	31	21.9	37	34.95	9	77.2	23	2.72	2	24.5	26
16	33.38	11	56.2	18	58.91	13	18.2	41	35.04	21	74.9	25	2.74	8	21.9	31
26	(21) 33.49	15	54.4	19	(21) 58.78	9	14.1	38	(21) 35.25	29	72.4	21	(23) 2.82	13	18.8	30
Dez. 6	33.64	20	52.5	20	58.87	30	10.3	36	35.54	39	70.3	17	2.95	18	15.8	30
16	33.84	24	50.5	21	59.17	50	6.7	34	35.93	48	68.6	15	3.13	22	12.8	29
26	34.08	27	48.4	20	59.67	67	3.3	32	36.41	54	67.1	10	3.35	27	9.9	28
36	34.35		46.4		60.34		0.1		36.95		66.1		3.62		7.1	
Mittl. Ort	31.67		69.0		66.18		34.5		33.24		58.7		1.58		34.4	
sec δ, tg δ	1.003		+0.083		4.834		+4.729		2.216		−1.977		1.124		+0.512	

1914	594) δ Scorpii. AR.		Dekl. −		598) ϑ Draconis. AR.		Dekl. +		597) β Scorpii. AR.		Dekl. −		603) δ Ophiuchi. AR.		Dekl. −	
	$15^h\ 55^m$		$22°\ 22'$		$16^h\ 0^m$		$58°\ 47'$		$16^h\ 0^m$		$19°\ 34'$		$16^h\ 9^m$		$3°\ 28'$	
	s		″		s		″		s		″		s		″	
Jan. 0	13.76	31	44.6	9	15.07	36	20.9	31	25.06	31	20.4	10	49.37	28	34.3	16
10	14.07	34	45.5	10	15.43	42	17.8	27	25.37	33	21.4	11	49.65	29	35.9	17
20	14.41	34	46.5	11	15.85	45	15.1	22	25.70	34	22.5	12	49.94	32	37.6	16
30	14.75	35	47.6	12	16.30	48	12.9	16	26.04	34	23.7	11	50.26	32	39.2	13
Febr. 9	15.10	35	48.8	11	16.78	49	11.3	10	26.38	34	24.8	11	50.58	31	40.5	12
19	15.45	34	49.9	11	17.27	48	10.3	2	26.72	33	25.9	11	50.89	32	41.7	10
März 1	15.79	32	51.0	11	17.75	47	10.1	4	27.05	32	27.0	10	51.21	30	42.7	6
11	16.11	30	52.1	9	18.22	43	10.5	11	27.37	30	28.0	8	51.51	28	43.3	4
21	16.41	28	53.0	9	18.65	39	11.6	16	27.67	28	28.8	7	51.79	27	43.7	2
31	16.69	26	53.9	7	19.04	34	13.2	21	27.95	26	29.5	6	52.06	24	43.9	1
April 10	16.95	23	54.6	6	19.38	29	15.3	26	28.21	23	30.1	5	52.30	23	43.8	4
20	17.18	20	55.2	5	19.67	22	17.9	29	28.44	20	30.6	4	52.53	19	43.4	5
30	17.38	18	55.7	5	19.89	15	20.8	30	28.64	18	31.0	2	52.72	17	42.9	7
Mai 10	17.56	15	56.2	4	20.04	8	23.8	32	28.82	15	31.2	2	52.89	15	42.2	8
20	17.71	11	56.6	3	20.12	2	27.0	32	28.97	12	31.4	1	53.04	11	41.4	8
30	17.82	8	56.9	2	20.14	5	30.2	31	29.09	8	31.5	1	53.15	8	40.6	9
Juni 9	17.90	5	57.1	2	20.09	11	33.3	28	29.17	5	31.6	0	53.23	5	39.7	9
19	17.95	1	57.3	1	19.98	17	36.1	26	29.22	1	31.6	0	53.28	2	38.8	8
29	17.96	3	57.4	1	19.81	23	38.7	22	29.23	2	31.6	1	53.30	2	38.0	8
Juli 9	17.93	5	57.5	0	19.58	28	40.9	19	29.21	5	31.5	1	53.28	5	37.2	7
19	17.88	9	57.5	1	19.30	33	42.8	14	29.16	9	31.4	1	53.23	9	36.5	6
29	17.79	12	57.4	2	18.97	35	44.2	9	29.07	11	31.3	2	53.14	10	35.9	6
Aug. 8	17.67	14	57.2	2	18.62	38	45.1	4	28.96	14	31.1	3	53.04	13	35.3	4
18	17.53	15	57.0	4	18.24	40	45.5	1	28.82	15	30.8	3	52.91	15	34.9	3
28	17.38	16	56.6	4	17.84	40	45.4	6	28.67	15	30.5	3	52.76	15	34.6	2
Sept. 7	17.22	16	56.2	4	17.44	40	44.8	11	28.52	15	30.2	4	52.61	15	34.4	1
17	17.06	14	55.8	5	17.04	36	43.7	16	28.37	14	29.8	4	52.46	14	34.3	0
27	16.92	11	55.3	5	16.68	34	42.1	20	28.23	12	29.4	4	52.32	12	34.3	2
Okt. 7	16.81	8	54.8	5	16.34	29	40.1	25	28.11	8	29.0	4	52.20	9	34.5	4
17	16.73	4	54.3	4	16.05	23	37.6	29	28.03	5	28.6	2	52.11	6	34.9	6
27	16.69	1	53.9	3	15.82	17	34.7	32	27.98	0	28.4	2	52.05	1	35.5	7
Nov. 6	16.70	6	53.6	1	15.65	8	31.5	35	27.98	6	28.2	0	52.04	3	36.2	10
16	16.76	12	53.5	0	15.57	0	28.0	41	28.04	11	28.2	2	52.07	8	37.2	11
26	[23] 16.88	17	53.5	2	[24] 15.57	9	23.9	37	[24] 28.15	17	28.4	4	[27] 52.15	15	38.3	15
Dez. 6	17.05	22	53.7	5	15.66	17	20.2	37	28.32	20	28.8	6	52.30	18	39.8	15
16	17.27	27	54.2	6	15.83	26	16.5	36	28.52	26	29.4	7	52.48	23	41.3	16
26	17.54	29	54.8	8	16.09	32	12.9	33	28.78	29	30.1	9	52.71	26	42.9	16
36	17.83		55.6		16.41		9.6		29.07		31.0		52.97		44.5	
Mittl. Ort	14.72		40.3		16.55		40.7		26.01		15.4		50.23		25.4	
sec δ, tg δ	1.081		−0.412		1.930		+1.651		1.061		−0.356		1.002		−0.061	

1914	606) 19 Ursae min.				604) γ^2 Normae.				605) ε Ophiuchi.				608) τ Herculis.			
	AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. −		AR.		Dekl. +	
	$16^h 13^m$		76° 5′		$16^h 13^m$		49° 56′		$16^h 13^m$		4° 29′		$16^h 17^m$		46° 30′	
Jan. 0	11.86	58	20.1	31	22.22	41	43.8	5	45.27	27	10.1	16	8.07	29	45.8	32
10	12.44	71	17.0	27	22.63	44	43.3	3	45.54	30	11.7	16	8.36	34	42.6	28
20	13.15	82	14.3	22	23.07	46	43.0	1	45.84	32	13.3	15	8.70	36	39.8	23
30	13.97	90	12.1	15	23.53	48	43.1	4	46.16	32	14.8	14	9.06	38	37.5	18
Febr. 9	14.87	94	10.6	9	24.01	48	43.5	7	46.48	32	16.2	11	9.44	39	35.7	12
19	15.81	95	9.7	2	24.49	47	44.2	9	46.80	31	17.3	10	9.83	39	34.5	6
März 1	16.76	92	9.5	4	24.96	46	45.1	11	47.11	30	18.3	7	10.22	38	33.9	0
11	17.68	87	9.9	11	25.42	43	46.2	13	47.41	29	19.0	4	10.60	35	33.9	7
21	18.55	78	11.0	17	25.85	41	47.5	15	47.70	27	19.4	1	10.95	33	34.6	13
31	19.33	68	12.7	22	26.26	38	49.0	16	47.97	24	19.5	1	11.28	30	35.9	18
April 10	20.01	55	14.9	26	26.64	35	50.6	17	48.21	23	19.4	3	11.58	26	37.7	22
20	20.56	40	17.5	30	26.99	30	52.3	18	48.44	20	19.1	5	11.84	21	39.9	26
30	20.96	25	20.5	31	27.29	27	54.1	18	48.64	18	18.6	6	12.05	17	42.5	28
Mai 10	21.21	10	23.6	33	27.56	21	55.9	19	48.82	15	18.0	7	12.22	12	45.3	29
20	21.31	6	26.9	32	27.77	18	57.8	18	48.97	11	17.3	8	12.34	7	48.2	30
30	21.25	21	30.1	31	27.95	12	59.6	18	49.08	9	16.5	9	12.41	2	51.2	30
Juni 9	21.04	36	33.2	29	28.07	7	61.4	16	49.17	5	15.6	8	12.43	2	54.2	28
19	20.68	49	36.1	27	28.14	1	63.0	16	49.22	2	14.8	8	12.41	8	57.0	26
29	20.19	62	38.8	22	28.15	4	64.6	13	49.24	1	14.0	8	12.33	12	59.6	23
Juli 9	19.57	72	41.0	19	28.11	10	65.9	11	49.23	5	13.2	7	12.21	16	61.9	19
19	18.85	81	42.9	14	28.01	14	67.0	10	49.18	8	12.5	6	12.05	21	63.8	16
29	18.04	88	44.3	10	27.87	18	68.0	6	49.10	11	11.9	5	11.84	23	65.4	12
Aug. 8	17.16	93	45.3	4	27.69	21	68.6	3	48.99	13	11.4	5	11.61	26	66.6	7
18	16.23	97	45.7	1	27.48	24	68.9	1	48.86	14	10.9	3	11.35	27	67.3	2
28	15.26	96	45.6	6	27.24	25	68.8	3	48.72	15	10.6	2	11.08	28	67.5	2
Sept. 7	14.30	96	45.0	11	26.99	24	68.5	7	48.57	15	10.4	1	10.80	29	67.3	7
17	13.34	91	43.9	16	26.75	23	67.8	10	48.42	14	10.3	0	10.51	27	66.6	12
27	12.43	85	42.3	21	26.52	20	66.8	13	48.28	12	10.3	1	10.24	24	65.4	16
Okt. 7	11.58	76	40.2	25	26.32	15	65.5	15	48.16	10	10.4	4	10.00	21	63.8	21
17	10.82	65	37.7	29	26.17	10	64.0	16	48.06	6	10.8	5	9.79	17	61.7	25
27	10.17	53	34.8	33	26.07	3	62.4	17	48.00	1	11.3	7	9.62	11	59.2	28
Nov. 6	9.64	36	31.5	35	26.04	4	60.7	18	47.99	3	12.0	8	9.51	6	56.4	32
16	9.28	20	28.0	36	26.08	12	58.9	16	48.02	8	12.8	11	9.45	1	53.2	34
26	9.08	3	24.4	41	26.20	21	57.3	17	48.10	14	13.9	14	9.46	8	49.8	38
Dez. 6	[27] 9.05	17	20.3	38	[27] 26.41	27	55.6	13	[27] 48.24	18	15.3	14	[28] 9.54	15	46.0	36
16	9.22	34	16.5	35	26.68	33	54.3	10	48.42	23	16.7	15	9.69	21	42.4	34
26	9.56	52	13.0	33	27.01	39	53.3	7	48.65	25	18.2	16	9.90	26	39.0	33
36	10.08		9.7		27.40		52.6		48.90		19.8		10.16		35.7	
Mittl. Ort	15.56		40.3		23.89		43.9		46.15		1.4		9.30		63.5	
sec δ, tg δ	4.161		+4.039		1.554		−1.190		1.003		−0.078		1.453		+1.054	

1914	609) γ Herculis.				611) γ Apodis.				615) η Draconis.				616) α Scorpii.			
	AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. +		AR.		Dekl. —	
	16ʰ 18ᵐ		19° 20′		16ʰ 20ᵐ		78° 42′		16ʰ 22ᵐ		61° 42′		16ʰ 24ᵐ		26° 14′	
Jan. 0	6.63 ˢ	26	62.3 ″	26	7.12 ˢ	110	18.7 ″	18	47.49 ˢ	35	12.3 ″	33	6.80 ˢ	30	36.1 ″	5
10	6.89	29	59.7	23	8.22	122	16.9	13	47.84	41	9.0	29	7.10	33	36.6	7
20	7.18	31	57.4	20	9.44	132	15.6	9	48.25	46	6.1	24	7.43	34	37.3	8
30	7.49	31	55.4	17	10.76	138	14.7	3	48.71	50	3.7	18	7.77	35	38.1	8
Febr. 9	7.80	32	53.7	13	12.14	141	14.4	0	49.21	52	1.9	12	8.12	36	38.9	9
19	8.12	32	52.4	8	13.55	141	14.4	7	49.73	52	0.7	5	8.48	35	39.8	9
März 1	8.44	30	51.6	4	14.96	138	15.1	10	50.25	51	0.2	2	8.83	34	40.7	8
11	8.74	29	51.2	2	16.34	132	16.1	14	50.76	48	0.4	9	9.17	33	41.5	8
21	9.03	27	51.4	6	17.66	123	17.5	19	51.24	45	1.3	14	9.50	31	42.3	8
31	9.30	25	52.0	10	18.89	115	19.4	21	51.69	39	2.7	20	9.81	29	43.1	7
April 10	9.55	22	53.0	13	20.04	102	21.5	25	52.08	33	4.7	25	10.10	26	43.8	6
20	9.77	20	54.3	16	21.06	89	24.0	26	52.41	28	7.2	28	10.36	24	44.4	6
30	9.97	16	55.9	19	21.95	74	26.6	29	52.69	20	10.0	31	10.60	22	45.0	5
Mai 10	10.13	14	57.8	20	22.69	58	29.5	29	52.89	12	13.1	32	10.82	18	45.5	5
20	10.27	10	59.8	21	23.27	40	32.4	31	53.01	5	16.3	32	11.00	14	46.0	5
30	10.37	7	61.9	20	23.67	23	35.5	30	53.06	2	19.5	32	11.14	11	46.5	4
Juni 9	10.44	3	63.9	20	23.90	4	38.5	29	53.04	10	22.7	30	11.25	8	46.9	3
19	10.47	0	65.9	19	23.94	15	41.4	28	52.94	17	25.7	28	11.33	4	47.2	4
29	10.47	4	67.8	17	23.79	32	44.2	25	52.77	23	28.5	25	11.37	0	47.6	2
Juli 9	10.43	7	69.5	14	23.47	49	46.7	22	52.54	30	31.0	21	11.37	5	47.8	2
19	10.36	11	70.9	13	22.98	63	48.9	18	52.24	34	33.1	17	11.32	8	48.0	1
29	10.25	13	72.2	9	22.35	76	50.7	14	51.90	39	34.8	12	11.24	11	48.1	0
Aug. 8	10.12	15	73.1	7	21.59	87	52.1	9	51.51	42	36.0	7	11.13	13	48.1	0
18	9.97	17	73.8	4	20.72	92	53.0	4	51.09	45	36.7	2	11.00	16	48.1	2
28	9.80	17	74.2	1	19.80	95	53.4	1	50.64	45	36.9	3	10.84	16	47.9	3
Sept. 7	9.63	18	74.3	3	18.85	94	53.3	7	50.19	45	36.6	9	10.68	17	47.6	4
17	9.45	17	74.0	6	17.91	89	52.6	12	49.74	44	35.7	13	10.51	16	47.2	5
27	9.28	15	73.4	10	17.02	79	51.4	18	49.30	40	34.4	18	10.35	14	46.7	5
Okt. 7	9.13	12	72.4	12	16.23	65	49.6	21	48.90	36	32.6	23	10.21	11	46.2	6
17	9.01	8	71.2	16	15.58	49	47.5	25	48.54	30	30.3	27	10.10	7	45.6	5
27	8.93	5	69.6	19	15.09	28	45.0	27	48.24	23	27.6	31	10.03	2	45.1	5
Nov. 6	8.88	1	67.7	21	14.81	7	42.3	29	48.01	15	24.5	34	10.01	3	44.6	4
16	8.89	5	65.6	24	14.74	16	39.4	30	47.86	6	21.1	36	10.04	9	44.2	3
26	8.94	12	63.2	28	14.90	45	36.4	31	47.80	3	17.5	41	10.13	16	43.9	2
Dez. 6	[29] 9.06	16	60.4	26	[29] 15.35	64	33.3	27	[30] 47.83	13	13.4	37	[30] 10.29	19	43.7	1
16	9.22	20	57.8	26	15.99	83	30.6	23	47.96	22	9.7	36	10.48	24	43.8	2
26	9.42	24	55.2	26	16.82	102	28.3	21	48.18	31	6.1	34	10.72	29	44.0	4
36	9.66		52.6		17.84		26.2		48.49		2.7		11.01		44.4	
Mittl. Ort	7.52		75.7		13.36		21.4		49.40		31.2		7.89		31.5	
sec δ, tg δ	1.060		+0.351		5.109		—5.010		2.110		+1.858		1.115		—0.493	

1914	618) β Herculis. AR.		618) Dekl. +		619) *A* Draconis. AR.		619) Dekl. +		621) σ Herculis. AR.		621) Dekl. +		622) ζ Ophiuchi. AR.		622) Dekl. —	
	$16^h 26^m$		21° 40′		$16^h 28^m$		68° 56′		$16^h 31^m$		42° 36′		$16^h 32^m$		10° 23′	
Jan. 0	30.39	26	20.9	27	6.05	39	56.2	32	18.57	27	33.2	32	24.33	27	45.5	12
10	30.65	28	18.2	24	6.44	49	53.0	29	18.84	31	30.0	28	24.60	30	46.7	13
20	30.93	30	15.8	21	6.93	57	50.1	24	19.15	34	27.2	24	24.90	31	48.0	12
30	31.23	32	13.7	18	7.50	61	47.7	18	19.49	35	24.8	19	25.21	32	49.2	12
Febr. 9	31.55	32	11.9	13	8.11	65	45.9	12	19.84	37	22.9	14	25.53	32	50.4	10
19	31.87	32	10.6	8	8.76	66	44.7	5	20.21	37	21.5	8	25.85	32	51.4	9
März 1	32.19	31	9.8	3	9.42	65	44.2	2	20.58	36	20.7	1	26.17	31	52.3	7
11	32.50	29	9.5	1	10.07	62	44.4	8	20.94	35	20.6	5	26.48	30	53.0	5
21	32.79	28	9.6	7	10.69	57	45.2	15	21.29	32	21.1	11	26.78	28	53.5	2
31	33.07	25	10.3	10	11.26	50	46.7	21	21.61	30	22.2	16	27.06	27	53.7	1
April 10	33.32	23	11.3	14	11.76	43	48.8	25	21.91	26	23.8	21	27.33	24	53.8	1
20	33.55	20	12.7	17	12.19	33	51.3	28	22.17	22	25.9	24	27.57	22	53.7	3
30	33.75	18	14.4	20	12.52	24	54.1	31	22.39	18	28.3	27	27.79	20	53.4	4
Mai 10	33.93	14	16.4	21	12.76	14	57.2	33	22.57	14	31.0	29	27.99	17	53.0	4
20	34.07	11	18.5	22	12.90	4	60.5	32	22.71	10	33.9	29	28.16	14	52.6	6
30	34.18	7	20.7	22	12.94	6	63.7	33	22.81	5	36.8	29	28.30	11	52.0	5
Juni 9	34.25	3	22.9	21	12.88	17	67.0	30	22.86	0	39.7	28	28.41	7	51.5	6
19	34.28	0	25.0	20	12.71	25	70.0	29	22.86	5	42.5	27	28.48	4	50.9	5
29	34.28	3	27.0	18	12.46	35	72.9	25	22.81	9	45.2	23	28.52	0	50.4	5
Juli 9	34.25	7	28.8	16	12.11	42	75.4	21	22.72	13	47.5	21	28.52	3	49.9	5
19	34.18	11	30.4	14	11.69	49	77.5	17	22.59	17	49.6	17	28.49	7	49.4	5
29	34.07	13	31.8	10	11.20	54	79.2	12	22.42	21	51.3	13	28.42	10	48.9	4
Aug. 8	33.94	15	32.8	8	10.66	59	80.4	7	22.21	23	52.6	9	28.32	12	48.5	3
18	33.79	18	33.6	4	10.07	62	81.1	2	21.98	25	53.5	4	28.20	14	48.2	3
28	33.61	18	34.0	1	9.45	62	81.3	3	21.73	26	53.9	0	28.06	16	47.9	3
Sept. 7	33.43	18	34.1	3	8.83	63	81.0	8	21.47	26	53.9	5	27.90	15	47.6	2
17	33.25	18	33.8	6	8.20	60	80.2	13	21.21	25	53.4	9	27.75	15	47.4	1
27	33.07	16	33.2	9	7.60	57	78.9	18	20.96	24	52.5	14	27.60	13	47.3	0
Okt. 7	32.91	13	32.3	13	7.03	51	77.1	24	20.72	20	51.1	19	27.47	11	47.3	1
17	32.78	10	31.0	17	6.52	44	74.7	27	20.52	17	49.2	23	27.36	7	47.4	2
27	32.68	5	29.3	19	6.08	35	72.0	30	20.35	11	46.9	26	27.29	3	47.6	3
Nov. 6	32.63	1	27.4	22	5.73	25	69.0	34	20.24	6	44.3	29	27.26	2	47.9	5
16	32.62	4	25.2	24	5.48	14	65.6	36	20.18	0	41.4	32	27.28	7	48.4	7
26	32.66	10	22.8	29	5.34	2	62.0	41	20.18	7	38.2	38	27.35	13	49.1	9
Dez. 6	[30] 32.76	15	19.9	27	[1] 5.32	12	57.9	38	[2] 20.25	13	34.4	34	[2] 27.48	17	50.0	10
16	32.91	20	17.2	28	5.44	23	54.1	37	20.38	18	31.0	34	27.65	21	51.0	11
26	33.11	23	14.4	26	5.67	34	50.4	34	20.56	24	27.6	33	27.86	25	52.1	12
36	33.34		11.8		6.01		47.0		20.80		24.3		28.11		53.3	
Mittl. Ort	31.34		34.6		8.70		75.3		19.81		49.8		25.30		37.6	
sec δ, tg δ	1.076		+0.397		2.785		+2.599		1.359		+0.920		1.017		−0.183	

1914	625) α Triang. aust. AR.		625) Dekl. −		626) η Herculis. AR.		626) Dekl. +	
	16h 39m		68° 52′		16h 39m		39° 4′	
Jan. 0	29.48 s	61	16.3″	17	55.62 s	25	51.1″	31
10	30.09	68	14.6	13	55.87	30	48.0	28
20	30.77	74	13.3	9	56.17	32	45.2	25
30	31.51	77	12.4	4	56.49	34	42.7	20
Febr. 9	32.28	80	12.0	0	56.83	35	40.7	14
19	33.08	80	12.0	3	57.18	36	39.3	8
März 1	33.88	79	12.3	8	57.54	34	38.5	2
11	34.67	77	13.1	11	57.88	34	38.3	3
21	35.44	73	14.2	14	58.22	32	38.6	10
31	36.17	68	15.6	18	58.54	29	39.6	15
April 10	36.85	63	17.4	20	58.83	26	41.1	19
20	37.48	56	19.4	22	59.09	23	43.0	23
30	38.04	48	21.6	24	59.32	19	45.3	26
Mai 10	38.52	40	24.0	25	59.51	15	47.9	27
20	38.92	32	26.5	26	59.66	10	50.6	29
30	39.24	22	29.1	26	59.76	7	53.5	28
Juni 9	39.46	11	31.7	26	59.83	2	56.3	28
19	39.57	2	34.3	24	59.85	3	59.1	26
29	39.59	8	36.7	23	59.82	7	61.7	24
Juli 9	39.51	18	39.0	20	59.75	11	64.1	21
19	39.33	27	41.0	17	59.64	15	66.2	17
29	39.06	35	42.7	14	59.49	18	67.9	14
Aug. 8	38.71	41	44.1	9	59.31	21	69.3	10
18	38.30	46	45.0	5	59.10	23	70.3	5
28	37.84	49	45.5	0	58.87	24	70.8	1
Sept. 7	37.35	49	45.5	5	58.63	25	70.9	3
17	36.86	47	45.0	9	58.38	24	70.6	8
27	36.39	42	44.1	14	58.14	22	69.8	13
Okt. 7	35.97	36	42.7	18	57.92	19	68.5	17
17	35.61	28	40.9	21	57.73	16	66.8	21
27	35.33	16	38.8	24	57.57	11	64.7	24
Nov. 6	35.17	5	36.4	25	57.46	6	62.3	28
16	35.12	8	33.9	26	57.40	0	59.5	31
26	35.20	24	31.3	28	57.40	6	56.4	36
Dez. 6	35.44	34	28.5	24	57.46	12	52.8	33
16	35.78	46	26.1	22	57.58	18	49.5	33
26	36.24	56	23.9	18	57.76	23	46.2	32
36	36.80		22.1		57.99		43.0	
Mittl. Ort	32.78		16.7		56.83		67.0	
sec δ, tg δ	2.775		−2.588		1.288		+0.812	

1914	627) Gr. 2377. AR.		627) Dekl. +		628) ε Scorpii. AR.		628) Dekl. −	
	16h 43m		56° 55′		16h 44m		34° 8′	
Jan. 0	38.03 s	28	49.2″	34	34.11 s	30	21.0″	0
10	38.31	35	45.8	30	34.41	34	21.0	1
20	38.66	39	42.8	26	34.75	36	21.1	3
30	39.05	43	40.2	20	35.11	37	21.4	5
Febr. 9	39.48	46	38.2	14	35.48	38	21.9	5
19	39.94	46	36.8	8	35.86	38	22.4	7
März 1	40.40	46	36.0	1	36.24	37	23.1	7
11	40.86	44	35.9	6	36.61	35	23.8	8
21	41.30	41	36.5	12	36.96	35	24.6	7
31	41.71	38	37.7	17	37.31	33	25.3	8
April 10	42.09	33	39.4	23	37.64	30	26.1	9
20	42.42	28	41.7	26	37.94	27	27.0	8
30	42.70	22	44.3	30	38.21	25	27.8	8
Mai 10	42.92	16	47.3	31	38.46	22	28.6	9
20	43.08	10	50.4	33	38.68	18	29.5	8
30	43.18	3	53.7	32	38.86	14	30.3	8
Juni 9	43.21	4	56.9	31	39.00	10	31.1	8
19	43.17	10	60.0	30	39.10	5	31.9	7
29	43.07	16	63.0	26	39.15	1	32.6	7
Juli 9	42.91	21	65.6	23	39.16	3	33.3	6
19	42.70	27	67.9	20	39.13	7	33.9	5
29	42.43	31	69.9	14	39.06	11	34.4	4
Aug. 8	42.12	34	71.3	11	38.95	15	34.8	1
18	41.78	38	72.4	5	38.80	17	34.9	0
28	41.40	38	72.9	0	38.63	18	34.9	1
Sept. 7	41.02	39	72.9	5	38.45	19	34.8	3
17	40.63	39	72.4	10	38.26	19	34.5	5
27	40.24	35	71.4	14	38.07	16	34.0	7
Okt. 7	39.89	33	70.0	20	37.91	14	33.3	7
17	39.56	27	68.0	24	37.77	9	32.6	9
27	39.29	22	65.6	29	37.68	5	31.7	9
Nov. 6	39.07	15	62.7	31	37.63	1	30.8	8
16	38.92	8	59.6	34	37.64	6	30.0	8
26	38.84	1	56.2	40	37.70	14	29.2	8
Dez. 6	38.85	10	52.2	37	37.84	19	28.4	5
16	38.95	17	48.5	36	38.03	25	27.9	4
26	39.12	25	44.9	35	38.28	27	27.5	1
36	39.37		41.4		38.55		27.4	
Mittl. Ort	39.85		66.6		35.38		16.8	
sec δ, tg δ	1.833		+1.536		1.208		−0.678	

1914	629) 49 Herculis. AR.		629) Dekl. +		630) ζ² Scorpii. AR.		630) Dekl. −		631) ζ Arae. AR.		631) Dekl. −		633) κ Ophiuchi. AR.		633) Dekl. +	
	16ʰ 48ᵐ		15° 6′		16ʰ 48ᵐ		42° 12′		16ʰ 51ᵐ		55° 51′		16ʰ 53ᵐ		9° 30′	
Jan. 0	8.90	23	51.5	24	30.16	33	57.3	6	27.85	41	21.4	12	34.81	24	17.1	21
10	9.13	27	49.1	22	30.49	37	56.7	2	28.26	46	20.2	9	35.05	26	15.0	21
20	9.40	29	46.9	20	30.86	39	56.5	1	28.72	49	19.3	6	35.31	28	12.9	18
30	9.69	30	44.9	17	31.25	41	56.4	2	29.21	52	18.7	3	35.59	30	11.1	16
Febr. 9	9.99	31	43.2	13	31.66	42	56.6	4	29.73	53	18.4	0	35.89	31	9.5	12
19	10.30	31	41.9	9	32.08	42	57.0	5	30.26	54	18.4	4	36.20	31	8.3	9
März 1	10.61	31	41.0	5	32.50	41	57.5	7	30.80	53	18.8	6	36.51	30	7.4	5
11	10.92	29	40.5	0	32.91	40	58.2	8	31.33	52	19.4	8	36.81	29	6.9	1
21	11.21	28	40.5	4	33.31	38	59.0	9	31.85	49	20.2	11	37.10	29	6.8	3
31	11.49	27	40.9	8	33.69	37	59.9	10	32.34	47	21.3	13	37.39	26	7.1	6
April 10	11.76	24	41.7	12	34.06	34	60.9	10	32.81	44	22.6	15	37.65	25	7.7	10
20	12.00	22	42.9	15	34.40	31	61.9	12	33.25	40	24.1	17	37.90	22	8.7	12
30	12.22	19	44.4	16	34.71	28	63.1	12	33.65	35	25.8	18	38.12	20	9.9	15
Mai 10	12.41	17	46.0	19	34.99	24	64.3	12	34.00	31	27.6	19	38.32	17	11.4	16
20	12.58	13	47.9	19	35.23	20	65.5	13	34.31	25	29.5	19	38.49	15	13.0	16
30	12.71	10	49.8	20	35.43	16	66.8	12	34.56	19	31.4	20	38.64	10	14.6	17
Juni 9	12.81	7	51.8	19	35.59	11	68.0	13	34.75	12	33.4	20	38.74	8	16.3	17
19	12.88	3	53.7	19	35.70	6	69.3	12	34.87	7	35.4	18	38.82	4	18.0	16
29	12.91	1	55.6	17	35.76	1	70.5	11	34.94	0	37.2	18	38.86	0	19.6	15
Juli 9	12.90	5	57.3	15	35.77	3	71.6	10	34.94	7	39.0	16	38.86	4	21.1	14
19	12.85	8	58.8	13	35.74	9	72.6	8	34.87	13	40.6	14	38.82	7	22.5	11
29	12.77	11	60.1	11	35.65	13	73.4	6	34.74	20	42.0	10	38.75	10	23.6	10
Aug. 8	12.66	14	61.2	8	35.52	17	74.0	4	34.54	22	43.0	8	38.65	13	24.6	8
18	12.52	15	62.0	5	35.35	18	74.4	2	34.32	27	43.8	4	38.52	14	25.4	5
28	12.37	17	62.5	3	35.17	21	74.6	0	34.05	29	44.2	1	38.38	17	25.9	3
Sept. 7	12.20	18	62.8	1	34.96	22	74.6	4	33.76	30	44.3	4	38.21	17	26.2	0
17	12.02	17	62.7	3	34.74	21	74.2	6	33.46	29	43.9	7	38.04	16	26.2	2
27	11.85	16	62.4	6	34.53	19	73.6	8	33.17	26	43.2	10	37.88	15	26.0	5
Okt. 7	11.69	13	61.8	10	34.34	16	72.8	10	32.91	23	42.2	14	37.73	14	25.5	8
17	11.56	11	60.8	12	34.18	11	71.8	12	32.68	17	40.8	17	37.59	10	24.7	10
27	11.45	6	59.6	16	34.07	6	70.6	12	32.51	10	39.1	18	37.49	6	23.7	12
Nov. 6	11.39	2	58.0	18	34.01	0	69.4	13	32.41	2	37.3	20	37.43	1	22.5	15
16	11.37	3	56.2	20	34.01	7	68.1	13	32.39	7	35.3	19	37.42	3	21.0	18
26	11.40	9	54.2	25	34.08	13	66.8	12	32.46	14	33.4	19	37.45	7	19.2	19
Dez. 6	11.49	13	51.7	24	34.21	21	65.6	11	32.60	25	31.5	21	37.52	14	17.3	23
16	11.62	17	49.3	24	34.42	26	64.5	9	32.85	31	29.4	17	37.66	18	15.0	21
26	11.79	22	46.9	24	34.68	31	63.6	6	33.16	38	27.7	14	37.84	21	12.9	21
36	12.01		44.5		34.99		63.0		33.54		26.3		38.05		10.8	
Mittl. Ort	9.89		63.8		31.62		54.0		29.88		19.7		35.80		28.5	
sec δ, tg δ	1.036		+0.270		1.350		−0.907		1.782		−1.475		1.014		+0.167	

1914	634) ε Herculis. AR.		Dekl. +		637) η Ophiuchi. AR.		Dekl. —		639) ζ Draconis. AR.		Dekl. +		640) α Herculis. AR.		Dekl. +	
	16h 56m		31° 2′		17h 5m		15° 37′		17h 8m		65° 48′		17h 10m		14° 28′	
Jan. 0	58.76	23	54.4	30	25.59	25	17.4	8	29.31	28	57.6	35	42.46	22	63.3	23
10	58.99	26	51.4	27	25.84	28	18.2	9	29.59	37	54.1	31	42.68	25	61.0	22
20	59.25	29	48.7	24	26.12	30	19.1	8	29.96	44	51.0	28	42.93	27	58.8	20
30	59.54	32	46.3	20	26.42	32	19.9	9	30.40	50	48.2	23	43.20	29	56.8	17
Febr. 9	59.86	32	44.3	15	26.74	32	20.8	8	30.90	55	45.9	17	43.49	30	55.1	13
19	60.18	33	42.8	9	27.06	32	21.6	6	31.45	58	44.2	10	43.79	31	53.8	10
März 1	60.51	33	41.9	4	27.38	33	22.2	5	32.03	58	43.2	3	44.10	31	52.8	5
11	60.84	32	41.5	1	27.71	31	22.7	4	32.61	57	42.9	4	44.41	30	52.3	0
21	61.16	31	41.6	7	28.02	31	23.1	2	33.18	55	43.3	10	44.71	29	52.3	3
31	61.47	28	42.3	12	28.33	29	23.3	1	33.73	50	44.3	16	45.00	27	52.6	8
April 10	61.75	26	43.5	17	28.62	27	23.4	1	34.23	45	45.9	22	45.27	26	53.4	11
20	62.01	23	45.2	20	28.89	25	23.3	1	34.68	38	48.1	25	45.53	24	54.5	15
30	62.24	21	47.2	23	29.14	23	23.2	3	35.06	31	50.6	30	45.77	21	56.0	17
Mai 10	62.45	17	49.5	25	29.37	21	22.9	3	35.37	22	53.6	32	45.98	18	57.7	18
20	62.62	13	52.0	26	29.58	18	22.6	3	35.59	14	56.8	33	46.16	16	59.5	20
30	62.75	9	54.6	28	29.76	14	22.3	4	35.73	5	60.1	33	46.32	12	61.5	20
Juni 9	62.84	5	57.4	25	29.90	11	21.9	4	35.78	4	63.4	33	46.44	9	63.5	20
19	62.89	1	59.9	25	30.01	7	21.5	3	35.74	13	66.7	31	46.53	4	65.5	19
29	62.90	3	62.4	23	30.08	3	21.2	3	35.61	22	69.8	29	46.57	1	67.4	18
Juli 9	62.87	7	64.7	20	30.11	1	20.9	3	35.39	29	72.7	26	46.58	2	69.2	16
19	62.80	11	66.7	18	30.10	5	20.6	2	35.10	36	75.3	22	46.56	7	70.8	14
29	62.69	14	68.5	14	30.05	8	20.4	2	34.74	43	77.5	18	46.49	10	72.2	12
Aug. 8	62.55	18	69.9	11	29.97	11	20.2	3	34.31	48	79.3	14	46.39	12	73.4	9
18	62.37	19	71.0	7	29.86	14	19.9	1	33.83	52	80.7	8	46.27	16	74.3	7
28	62.18	21	71.7	3	29.72	15	19.8	2	33.31	55	81.5	4	46.11	16	75.0	4
Sept. 7	61.97	22	72.0	1	29.57	17	19.6	2	32.76	55	81.9	2	45.95	18	75.4	1
17	61.75	21	71.9	5	29.40	16	19.4	2	32.21	56	81.7	7	45.77	18	75.5	3
27	61.54	20	71.4	9	29.24	14	19.2	1	31.65	53	81.0	12	45.59	17	75.2	5
Okt. 7	61.34	18	70.5	14	29.10	13	19.1	1	31.12	49	79.8	18	45.42	14	74.7	8
17	61.16	14	69.1	17	28.97	9	19.0	1	30.63	44	78.0	22	45.28	12	73.9	11
27	61.02	10	67.4	21	28.88	6	18.9	1	30.19	38	75.8	26	45.16	8	72.8	14
Nov. 6	60.92	6	65.3	24	28.82	1	19.0	1	29.81	29	73.2	30	45.08	4	71.4	16
16	60.86	1	62.9	26	28.81	4	19.1	3	29.52	20	70.2	33	45.04	1	69.8	19
26	60.85	5	60.3	29	28.85	9	19.4	4	29.32	10	66.9	36	45.05	6	67.9	22
Dez. 6	60.90	12	57.4	33	28.94	15	19.8	6	29.22	2	63.3	40	45.11	11	65.7	24
16	[7] 61.02	16	54.1	31	[9] 29.09	19	20.4	7	[10] 29.24	12	59.3	37	[11] 45.22	16	63.3	24
26	61.18	20	51.0	30	29.28	23	21.1	7	29.36	23	55.6	36	45.38	20	60.9	23
36	61.38		48.0		29.51		21.8		29.59		52.0		45.58		58.6	
Mittl. Ort	59.92		68.6		26.66		9.6		32.10		73.7		43.52		75.2	
sec δ, tg δ	1.167		+0.602		1.038		—0.280		2.441		+2.227		1.033		+0.258	

1914	641) δ Herculis. AR.		Dekl. +		643) π Herculis. AR.		Dekl. +		644) ϑ Ophiuchi. AR.		Dekl. —		645) β Arae. AR.		Dekl. —	
	$17^h\ 11^m$		24° 55′		$17^h\ 12^m$		36° 53′		$17^h\ 16^m$		24° 54′		$17^h\ 18^m$		55° 26′	
Jan. 0	28.77	21	70.7	27	1.74	21	65.5	31	42.40	25	59.5	3	6.82	38	63.0	14
10	28.98	25	68.0	26	1.95	26	62.4	29	42.65	29	59.8	3	7.20	42	61.6	12
20	29.23	28	65.4	23	2.21	29	59.5	26	42.94	31	60.1	4	7.62	47	60.4	10
30	29.51	30	63.1	20	2.50	31	56.9	21	43.25	33	60.5	5	8.09	49	59.4	6
Febr. 9	29.81	31	61.1	15	2.81	34	54.8	16	43.58	34	61.0	4	8.58	52	58.8	4
19	30.12	31	59.6	10	3.15	34	53.2	11	43.92	34	61.4	5	9.10	52	58.4	0
März 1	30.43	32	58.6	5	3.49	34	52.1	5	44.26	35	61.9	4	9.62	53	58.4	2
11	30.75	31	58.1	0	3.83	34	51.6	1	44.61	33	62.3	4	10.15	52	58.6	5
21	31.06	30	58.1	6	4.17	32	51.7	7	44.94	33	62.7	3	10.67	51	59.1	7
31	31.36	29	58.7	10	4.49	31	52.4	13	45.27	32	63.0	2	11.18	48	59.8	10
April 10	31.65	26	59.7	14	4.80	28	53.7	17	45.59	29	63.2	2	11.66	47	60.8	11
20	31.91	24	61.1	18	5.08	26	55.4	21	45.88	28	63.4	2	12.13	42	61.9	14
30	32.15	21	62.9	21	5.34	22	57.5	25	46.16	26	63.6	1	12.55	39	63.3	15
Mai 10	32.36	19	65.0	23	5.56	18	60.0	27	46.42	23	63.7	2	12.94	34	64.8	17
20	32.55	15	67.3	24	5.74	15	62.7	28	46.65	20	63.9	1	13.28	29	66.5	18
30	32.70	11	69.7	24	5.89	10	65.5	29	46.85	17	64.0	2	13.57	24	68.3	18
Juni 9	32.81	7	72.1	24	5.99	6	68.4	28	47.02	12	64.2	1	13.81	17	70.1	19
19	32.88	4	74.5	24	6.05	1	71.2	28	47.14	9	64.3	2	13.98	11	72.0	18
29	32.92	1	76.9	22	6.06	3	74.0	26	47.23	4	64.5	2	14.09	3	73.8	18
Juli 9	32.91	4	79.1	20	6.03	8	76.6	23	47.27	1	64.7	2	14.12	2	75.6	17
19	32.87	9	81.1	17	5.95	11	78.9	20	47.28	4	64.9	1	14.10	10	77.3	15
29	32.78	11	82.8	14	5.84	16	80.9	16	47.24	8	65.0	2	14.00	15	78.8	12
Aug. 8	32.67	15	84.2	11	5.68	19	82.5	13	47.16	12	65.2	1	13.85	21	80.0	10
18	32.52	18	85.3	8	5.49	21	83.8	9	47.04	14	65.3	0	13.64	25	81.0	7
28	32.34	19	86.1	4	5.28	23	84.7	5	46.90	16	65.3	1	13.39	28	81.7	3
Sept. 7	32.15	20	86.5	1	5.05	24	85.2	0	46.74	17	65.2	1	13.11	30	82.0	0
17	31.95	20	86.6	3	4.81	24	85.2	5	46.57	17	65.1	2	12.81	30	82.0	5
27	31.75	18	86.3	7	4.57	23	84.7	9	46.40	17	64.9	3	12.51	28	81.5	8
Okt. 7	31.57	17	85.6	11	4.34	21	83.8	13	46.23	14	64.6	4	12.23	24	80.7	11
17	31.40	14	84.5	14	4.13	18	82.5	17	46.09	10	64.2	3	11.99	20	79.6	14
27	31.26	10	83.1	18	3.95	13	80.8	22	45.99	7	63.9	4	11.79	14	78.2	17
Nov. 6	31.16	6	81.3	21	3.82	9	78.6	25	45.92	2	63.5	4	11.65	6	76.5	19
16	31.10	1	79.2	24	3.73	4	76.1	27	45.90	3	63.1	3	11.59	2	74.6	19
26	31.09	5	76.8	26	3.69	3	73.4	31	45.93	9	62.8	2	11.61	10	72.7	20
Dez. 6	31.14	10	74.2	30	3.72	9	70.3	35	46.02	15	62.6	0	11.71	20	70.7	21
16	31.24	15	71.2	28	3.81	13	66.8	32	46.17	19	62.6	0	11.91	27	68.6	18
26	31.39	19	68.4	28	3.94	19	63.6	31	46.36	23	62.6	2	12.18	33	66.8	16
36	31.58		65.6		4.13		60.5		46.59		62.8		12.51		65.2	
Mittl. Ort	29.92		83.7		3.07		79.7		43.57		52.6		8.85		59.3	
sec δ, tg δ	1.103		+0.465		1.251		+0.751		1.103		−0.465		1.763		−1.452	

1914	648) δ Arae. AR.		Dekl. −		651) α Arae. AR.		Dekl. −	
	17ʰ 23ᵐ		60° 36′		17ʰ 25ᵐ		49° 48′	
Jan. 0	17.56ˢ	40	51.4″	18	9.71ˢ	33	37.6″	12
10	17.96	47	49.6	14	10.04	37	36.4	10
20	18.43	52	48.2	12	10.41	41	35.4	8
30	18.95	55	47.0	9	10.82	44	34.6	5
Febr. 9	19.50	59	46.1	5	11.26	46	34.1	3
19	20.09	60	45.6	2	11.72	46	33.8	1
März 1	20.69	60	45.4	1	12.18	47	33.7	2
11	21.29	59	45.5	4	12.65	47	33.9	4
21	21.88	59	45.9	7	13.12	45	34.3	5
31	22.47	56	46.6	10	13.57	44	34.8	8
April 10	23.03	53	47.6	12	14.01	42	35.6	9
20	23.56	49	48.8	15	14.43	38	36.5	11
30	24.05	44	50.3	17	14.81	36	37.6	12
Mai 10	24.49	40	52.0	18	15.17	32	38.8	14
20	24.89	33	53.8	20	15.49	27	40.2	14
30	25.22	27	55.8	21	15.76	22	41.6	15
Juni 9	25.49	19	57.9	21	15.98	17	43.1	16
19	25.68	12	60.0	21	16.15	12	44.7	16
29	25.80	4	62.1	20	16.27	5	46.3	15
Juli 9	25.84	4	64.1	19	16.32	1	47.8	14
19	25.80	11	66.0	17	16.31	8	49.2	13
29	25.69	19	67.7	15	16.23	11	50.5	12
Aug. 8	25.50	24	69.2	12	16.12	17	51.7	8
18	25.26	30	70.4	8	15.95	21	52.5	6
28	24.96	33	71.2	4	15.74	24	53.1	3
Sept. 7	24.63	35	71.6	1	15.50	25	53.4	0
17	24.28	35	71.7	4	15.25	26	53.4	3
27	23.93	33	71.3	8	14.99	24	53.1	6
Okt. 7	23.60	30	70.5	12	14.75	22	52.5	10
17	23.30	25	69.3	16	14.53	17	51.5	12
27	23.05	17	67.7	18	14.36	12	50.3	14
Nov. 6	22.88	9	65.9	21	14.24	5	48.9	16
16	22.79	0	63.8	21	14.19	1	47.3	17
26	22.79	9	61.7	23	14.20	8	45.6	16
Dez. 6	22.88	20	59.4	24	14.28	17	44.0	18
16	23.08	28	57.0	20	14.45	23	42.2	15
26	23.36	37	55.0	19	14.68	29	40.7	13
36	23.73		53.1		14.97		39.4	
Mittl. Ort	19.93		47.8		11.46		33.0	
sec δ, tg δ	2.038		−1.776		1.550		−1.184	

1914	652) λ Scorpii. AR.		Dekl. −		653) β Draconis. AR.		Dekl. +	
	17ʰ 27ᵐ		37° 2′		17ʰ 28ᵐ		52° 21′	
Jan. 0	44.61ˢ	27	37.4″	6	27.41ˢ	20	38.4″	34
10	44.88	31	36.8	3	27.61	27	35.0	32
20	45.19	35	36.5	3	27.88	31	31.8	29
30	45.54	36	36.2	1	28.19	36	28.9	24
Febr. 9	45.90	38	36.1	1	28.55	39	26.5	19
19	46.28	39	36.2	1	28.94	41	24.6	12
März 1	46.67	38	36.3	2	29.35	41	23.4	6
11	47.05	38	36.5	3	29.76	42	22.8	0
21	47.43	38	36.8	4	30.18	40	22.8	8
31	47.81	36	37.2	5	30.58	38	23.6	13
April 10	48.17	35	37.7	5	30.96	35	24.9	19
20	48.52	32	38.2	6	31.31	32	26.8	23
30	48.84	30	38.8	6	31.63	27	29.1	27
Mai 10	49.14	27	39.4	7	31.90	22	31.8	30
20	49.41	23	40.1	8	32.12	16	34.8	32
30	49.64	20	40.9	8	32.28	11	38.0	33
Juni 9	49.84	15	41.7	8	32.39	5	41.3	32
19	49.99	11	42.5	9	32.44	1	44.5	32
29	50.10	6	43.4	8	32.43	7	47.7	30
Juli 9	50.16	0	44.2	8	32.36	13	50.7	27
19	50.16	4	45.0	8	32.23	18	53.4	24
29	50.12	8	45.8	6	32.05	23	55.8	20
Aug. 8	50.04	13	46.4	5	31.82	28	57.8	16
18	49.91	16	46.9	3	31.54	31	59.4	11
28	49.75	18	47.2	2	31.23	33	60.5	7
Sept. 7	49.57	20	47.4	0	30.90	35	61.2	2
17	49.37	20	47.4	3	30.55	35	61.4	4
27	49.17	19	47.1	4	30.20	34	61.0	8
Okt. 7	48.98	17	46.7	6	29.86	31	60.2	13
17	48.81	13	46.1	8	29.55	29	58.9	19
27	48.68	10	45.3	9	29.26	23	57.0	23
Nov. 6	48.58	4	44.4	9	29.03	18	54.7	27
16	48.54	2	43.5	10	28.85	12	52.0	30
26	48.56	8	42.5	9	28.73	5	49.0	33
Dez. 6	48.64	15	41.6	10	28.68	3	45.7	38
16	48.79	20	40.6	8	28.71	10	41.9	36
26	48.99	25	39.8	6	28.81	17	38.3	35
36	49.24		39.2		28.98		34.8	
Mittl. Ort	45.98		31.4		29.34		52.6	
sec δ, tg δ	1.253		−0.755		1.638		+1.297	

1914	656) α Ophiuchi. AR.	Δ	Dekl. +	Δ	654) ϑ Scorpii. AR.	Δ	Dekl. —	Δ	658) ξ Serpentis. AR.	Δ	Dekl. —	Δ	663) ι Herculis. AR.	Δ	Dekl. +	Δ
	$17^h 30^m$		12° 36′		$17^h 31^m$		42° 56′		$17^h 32^m$		15° 20′		$17^h 37^m$		46° 2′	
Jan. 0	55.40	20	67.3	23	6.69	29	44.8	9	38.56	22	51.6	7	0.49	19	52.0	33
10	55.60	23	65.0	21	6.98	33	43.9	7	38.78	26	52.3	8	0.68	24	48.7	32
20	55.83	26	62.9	19	7.31	36	43.2	5	39.04	28	53.1	7	0.92	28	45.5	28
30	56.09	28	61.0	17	7.67	39	42.7	4	39.32	30	53.8	7	1.20	33	42.7	24
Febr. 9	56.37	29	59.3	13	8.06	41	42.3	2	39.62	31	54.5	6	1.53	34	40.3	19
19	56.66	30	58.0	10	8.47	41	42.1	0	39.93	32	55.1	5	1.87	37	38.4	13
März 1	56.96	31	57.0	5	8.88	42	42.1	1	40.25	32	55.6	4	2.24	38	37.1	7
11	57.27	30	56.5	1	9.30	42	42.2	3	40.57	32	56.0	2	2.62	37	36.4	0
21	57.57	29	56.4	—2	9.72	40	42.5	4	40.89	31	56.2	1	2.99	37	36.4	6
31	57.86	29	56.6	7	10.12	40	42.9	5	41.20	30	56.3	—1	3.36	35	37.0	12
April 10	58.15	27	57.3	11	10.52	37	43.4	7	41.50	29	56.2	2	3.71	33	38.2	17
20	58.42	25	58.4	14	10.89	36	44.1	8	41.79	27	56.0	4	4.04	30	39.9	22
30	58.67	23	59.8	16	11.25	32	44.9	9	42.06	26	55.6	4	4.34	26	42.1	26
Mai 10	58.90	20	61.4	18	11.57	29	45.8	9	42.32	23	55.2	4	4.60	22	44.7	28
20	59.10	17	63.2	19	11.86	26	46.7	11	42.55	20	54.8	5	4.82	18	47.5	31
30	59.27	15	65.1	20	12.12	21	47.8	11	42.75	16	54.3	5	5.00	12	50.6	32
Juni 9	59.42	10	67.1	19	12.33	17	48.9	12	42.91	14	53.8	4	5.12	7	53.8	31
19	59.52	7	69.0	19	12.50	11	50.1	12	43.05	10	53.4	4	5.19	2	56.9	31
29	59.59	3	70.9	18	12.61	7	51.3	11	43.15	5	53.0	4	5.21	—3	60.0	30
Juli 9	59.62	—1	72.7	16	12.68	0	52.4	11	43.20	1	52.6	3	5.18	8	63.0	27
19	59.61	5	74.3	15	12.68	4	53.5	11	43.21	—2	52.3	3	5.10	14	65.7	23
29	59.56	8	75.8	12	12.64	10	54.6	8	43.19	7	52.0	2	4.96	18	68.0	21
Aug. 8	59.48	11	77.0	10	12.54	14	55.4	8	43.12	10	51.8	2	4.78	22	70.1	16
18	59.37	15	78.0	7	12.40	17	56.2	5	43.02	13	51.6	1	4.56	26	71.7	12
28	59.22	16	78.7	5	12.23	21	56.7	2	42.89	14	51.5	2	4.30	28	72.9	8
Sept. 7	59.06	17	79.2	2	12.02	22	56.9	0	42.75	17	51.3	1	4.02	29	73.7	3
17	58.89	18	79.4	—1	11.80	22	56.9	2	42.58	17	51.2	0	3.73	30	74.0	—2
27	58.71	17	79.3	4	11.58	21	56.7	5	42.41	15	51.2	1	3.43	28	73.8	6
Okt. 7	58.54	15	78.9	6	11.37	19	56.2	8	42.26	14	51.1	1	3.15	27	73.2	12
17	58.39	13	78.3	10	11.18	15	55.4	9	42.12	11	51.0	0	2.88	25	72.0	17
27	58.26	10	77.3	12	11.03	11	54.5	11	42.01	8	51.0	1	2.63	20	70.3	21
Nov. 6	58.16	5	76.1	15	10.92	5	53.4	13	41.93	4	51.1	1	2.43	15	68.2	25
16	58.11	0	74.6	17	10.87	—1	52.1	13	41.89	—2	51.2	3	2.28	10	65.7	28
26	58.11	4	72.9	20	10.88	8	50.8	12	41.91	6	51.5	4	2.18	3	62.9	32
Dez. 6	58.15	9	70.9	23	10.96	16	49.6	14	41.97	11	51.9	5	2.15	—3	59.7	33
16	[15] 58.24	14	68.6	22	[15] 11.12	20	48.2	11	42.08	18	52.4	6	2.18	10	56.4	37
26	58.38	18	66.4	22	11.32	26	47.1	10	[16] 42.26	20	53.0	6	[17] 2.28	16	52.7	34
36	58.56		64.2		11.58		46.1		42.46		53.6		2.44		49.3	
Mittl. Ort	56.50		78.5		8.20		39.2		39.66		43.2		2.20		65.4	
sec δ, tg δ	1.025		+0.224		1.366		—0.931		1.037		—0.274		1.441		+1.037	

1914	661) η Pavonis. AR.	Δ	Dekl. −	Δ	664) ω Draconis. AR.	Δ	Dekl. +	Δ	665) β Ophiuchi. AR.	Δ	Dekl. +	Δ	667) μ Herculis. AR.	Δ	Dekl. +	Δ
	17ʰ 37ᵐ		64° 40′		17ʰ 37ᵐ		68° 47′		17ʰ 39ᵐ		4° 35′		17ʰ 43ᵐ		27° 45′	
Jan. 0	14.57	42	66.4	20	23.64	22	38.2	35	12.32	20	58.0	18	4.22	18	61.0	28
10	14.99	50	64.4	18	23.86	33	34.7	33	12.52	23	56.2	17	4.40	22	58.2	27
20	15.49	57	62.6	15	24.19	43	31.4	30	12.75	25	54.5	15	4.62	25	55.5	25
30	16.06	61	61.1	12	24.62	51	28.4	25	13.00	28	53.0	14	4.87	28	53.0	21
Febr. 9	16.67	65	59.9	8	25.13	57	25.9	20	13.28	29	51.6	12	5.15	30	50.9	17
19	17.32	67	59.1	5	25.70	61	23.9	13	13.57	30	50.4	8	5.45	31	49.2	12
März 1	17.99	68	58.6	2	26.31	64	22.6	7	13.87	30	49.6	5	5.76	32	48.0	7
11	18.67	68	58.4	2	26.95	65	21.9	0	14.17	31	49.1	2	6.08	31	47.3	1
21	19.35	67	58.6	5	27.60	62	21.9	7	14.48	29	48.9	3	6.39	32	47.2	4
31	20.02	64	59.1	9	28.22	60	22.6	13	14.77	29	49.2	5	6.71	30	47.6	9
April 10	20.66	62	60.0	11	28.82	54	23.9	19	15.06	27	49.7	8	7.01	28	48.5	14
20	21.28	57	61.1	15	29.36	47	25.8	24	15.33	26	50.5	11	7.29	27	49.9	18
30	21.85	53	62.6	16	29.83	40	28.2	28	15.59	23	51.6	13	7.56	24	51.7	21
Mai 10	22.38	46	64.2	19	30.23	31	31.0	31	15.82	22	52.9	15	7.80	21	53.8	23
20	22.84	40	66.1	20	30.54	21	34.1	33	16.04	18	54.4	16	8.01	18	56.1	26
30	23.24	32	68.1	22	30.75	10	37.4	34	16.22	16	56.0	15	8.19	14	58.7	26
Juni 9	23.56	24	70.3	22	30.85	1	40.8	34	16.38	12	57.5	16	8.33	10	61.3	26
19	23.80	15	72.5	23	30.86	10	44.2	33	16.50	8	59.1	16	8.43	6	63.9	26
29	23.95	7	74.8	22	30.76	19	47.5	31	16.58	5	60.7	14	8.49	2	66.5	24
Juli 9	24.02	3	77.0	21	30.57	30	50.6	29	16.63	1	62.1	14	8.51	2	68.9	22
19	23.99	12	79.1	20	30.27	38	53.5	25	16.64	4	63.5	11	8.49	7	71.1	20
29	23.87	20	81.1	17	29.89	46	56.0	22	16.60	7	64.6	10	8.42	11	73.1	18
Aug. 8	23.67	28	82.8	14	29.43	52	58.2	18	16.53	10	65.6	8	8.31	14	74.9	14
18	23.39	33	84.2	11	28.91	58	60.0	13	16.43	13	66.4	6	8.17	17	76.3	10
28	23.06	38	85.3	6	28.33	62	61.3	7	16.30	15	67.0	5	8.00	19	77.3	7
Sept. 7	22.68	41	85.9	2	27.71	64	62.0	3	16.15	16	67.5	2	7.81	21	78.0	3
17	22.27	41	86.1	2	27.07	65	62.3	2	15.99	17	67.7	0	7.60	21	78.3	0
27	21.86	41	85.9	8	26.42	64	62.1	8	15.82	17	67.7	3	7.39	21	78.3	5
Okt. 7	21.45	36	85.1	11	25.78	60	61.3	13	15.65	14	67.4	4	7.18	19	77.8	9
17	21.09	31	84.0	15	25.18	56	60.0	18	15.51	13	67.0	7	6.99	16	76.9	13
27	20.78	23	82.5	19	24.62	49	58.2	23	15.38	9	66.3	8	6.83	14	75.6	16
Nov. 6	20.55	15	80.6	21	24.13	41	55.9	27	15.29	5	65.5	11	6.69	9	74.0	20
16	20.40	4	78.5	23	23.72	31	53.2	30	15.24	0	64.4	13	6.60	5	72.0	24
26	20.36	7	76.2	25	23.41	20	50.2	34	15.24	3	63.1	15	6.55	1	69.6	25
Dez. 6	20.43	17	73.7	23	23.21	9	46.8	35	15.27	9	61.6	16	6.56	5	67.1	28
16	20.60	30	71.4	26	23.12	4	43.3	40	15.36	15	60.0	19	6.61	12	64.3	31
26	[17]20.90	37	68.8	22	[17]23.16	16	39.3	36	[17]15.51	18	58.1	18	[18]6.73	16	61.2	29
36	21.27		66.6		23.32		35.7		15.69		56.3		6.89		58.3	
Mittl. Ort	17.31		62.1		27.16		52.1		13.41		68.4		5.51		73.0	
sec δ, tg δ	2.339		−2.114		2.765		+2.578		1.003		+0.080		1.130		+0.526	

1914	670) ψ Drac. austr. AR.		670) Dekl. +		671) ξ Draconis. AR.		671) Dekl. +		675) 35 Draconis. AR.		675) Dekl. +		672) ϑ Herculis. AR.		672) Dekl. +	
	$17^h\ 43^m$		72° 10′		$17^h\ 52^m$		56° 52′		$17^h\ 53^m$		76° 58′		$17^h\ 53^m$		37° 15′	
Jan. 0	23.60	22	75.4	36	0.16	17	56.3	35	11.76	20	17.1	35	16.69	17	28.7	32
10	23.82	35	71.8	33	0.33	24	52.8	33	11.96	39	13.6	33	16.86	21	25.5	29
20	24.17	46	68.5	30	0.57	30	49.5	31	12.35	56	10.3	30	17.07	26	22.6	27
30	24.63	57	65.5	26	0.87	36	46.4	26	12.91	70	7.3	26	17.33	28	19.9	24
Febr. 9	25.20	65	62.9	20	1.23	40	43.8	20	13.61	82	4.7	21	17.61	31	17.5	19
19	25.85	70	60.9	14	1.63	43	41.8	15	14.43	91	2.6	15	17.92	33	15.6	13
März 1	26.55	74	59.5	7	2.06	45	40.3	9	15.34	96	1.1	8	18.25	34	14.3	8
11	27.29	75	58.8	1	2.51	45	39.4	1	16.30	99	0.3	2	18.59	34	13.5	2
21	28.04	73	58.7	6	2.96	45	39.3	4	17.29	98	0.1	5	18.93	33	13.3	4
31	28.77	70	59.3	13	3.41	43	39.7	12	18.27	93	0.6	12	19.26	33	13.7	10
April 10	29.47	63	60.6	18	3.84	40	40.9	17	19.20	85	1.8	17	19.59	31	14.7	15
20	30.10	56	62.4	23	4.24	36	42.6	22	20.05	75	3.5	22	19.90	29	16.2	20
30	30.66	46	64.7	27	4.60	32	44.8	27	20.80	61	5.7	26	20.19	26	18.2	23
Mai 10	31.12	36	67.4	30	4.92	27	47.5	29	21.41	48	8.3	30	20.45	22	20.5	26
20	31.48	24	70.4	33	5.19	21	50.4	32	21.89	33	11.3	32	20.67	20	23.1	29
30	31.72	12	73.7	34	5.40	14	53.6	34	22.22	16	14.5	34	20.87	14	26.0	29
Juni 9	31.84	0	77.1	34	5.54	8	57.0	34	22.38	1	17.9	33	21.01	11	28.9	30
19	31.84	12	80.5	33	5.62	0	60.4	33	22.37	17	21.2	34	21.12	6	31.9	30
29	31.72	24	83.8	31	5.62	6	63.7	32	22.20	34	24.6	32	21.18	1	34.9	28
Juli 9	31.48	35	86.9	29	5.56	12	66.9	29	21.86	49	27.8	29	21.19	4	37.7	26
19	31.13	46	89.8	26	5.44	19	69.8	27	21.37	63	30.7	27	21.15	9	40.3	24
29	30.67	56	92.4	22	5.25	25	72.5	23	20.74	76	33.4	23	21.06	12	42.7	20
Aug. 8	30.11	63	94.6	18	5.00	30	74.8	19	19.98	87	35.7	19	20.94	17	44.7	17
18	29.48	69	96.4	14	4.70	34	76.7	15	19.11	96	37.6	15	20.77	20	46.4	13
28	28.79	74	97.8	8	4.36	37	78.2	10	18.15	102	39.1	10	20.57	22	47.7	9
Sept. 7	28.05	78	98.6	4	3.99	40	79.2	5	17.13	107	40.1	5	20.35	24	48.6	5
17	27.27	78	99.0	2	3.59	40	79.7	0	16.06	109	40.6	0	20.11	25	49.1	0
27	26.49	77	98.8	7	3.19	40	79.7	6	14.97	108	40.6	6	19.86	24	49.1	4
Okt. 7	25.72	74	98.1	12	2.79	38	79.1	10	13.89	104	40.0	10	19.62	23	48.7	9
17	24.98	68	96.9	18	2.41	34	78.1	16	12.85	98	39.0	15	19.39	21	47.8	13
27	24.30	61	95.1	22	2.07	31	76.5	20	11.87	88	37.5	21	19.18	17	46.5	18
Nov. 6	23.69	52	92.9	26	1.76	25	74.5	25	10.99	77	35.4	25	19.01	13	44.7	21
16	23.17	41	90.3	30	1.51	18	72.0	29	10.22	63	32.9	28	18.88	8	42.6	25
26	22.76	28	87.3	33	1.33	11	69.1	32	9.59	46	30.1	32	18.80	2	40.1	28
Dez. 6	22.48	15	84.0	35	1.22	3	65.9	34	9.13	29	26.9	34	18.78	3	37.3	31
16	22.33	0	80.5	40	1.19	5	62.5	39	8.84	10	23.5	39	18.81	9	34.2	34
26	^{18}22.33	14	76.5	36	^{20}1.24	13	58.6	36	^{20}8.74	11	19.6	35	^{20}18.90	13	30.8	32
36	22.47		72.9		1.37		55.0		8.85		16.1		19.03		27.6	
Mittl. Ort	27.89		88.8		2.49		68.9		17.82		29.7		18.20		40.6	
sec δ, tg δ	3.269		+3.113		1.830		+1.533		4.437		+4.322		1.256		+0.761	

1914	673) ν Ophiuchi. AR.		Dekl. −		676) γ Draconis. AR.		Dekl. +		677) 67 Ophiuchi. AR.		Dekl. +		679) γ Sagittarii. AR.		Dekl. −	
	17ʰ 54ᵐ		9° 45′		17ʰ 54ᵐ		51° 29′		17ʰ 56ᵐ		2° 55′		18ʰ 0ᵐ		30° 25′	
Jan. 0	16.38	20	59.3	9	34.50	17	42.5	35	19.14	19	55.5	17	15.70	22	42.0	3
10	16.58	23	60.2	9	34.67	22	39.0	33	19.33	21	53.8	16	15.92	26	41.7	2
20	16.81	26	61.1	9	34.89	28	35.7	29	19.54	25	52.2	15	16.18	29	41.5	2
30	17.07	28	62.0	8	35.17	32	32.8	26	19.79	26	50.7	13	16.47	32	41.3	2
Febr. 9	17.35	29	62.8	7	35.49	36	30.2	21	20.05	28	49.4	11	16.79	33	41.1	0
19	17.64	31	63.5	5	35.85	39	28.1	15	20.33	30	48.3	8	17.12	35	41.1	1
März 1	17.95	31	64.0	3	36.24	41	26.6	8	20.63	30	47.5	4	17.47	35	41.0	0
11	18.26	31	64.3	1	36.65	41	25.8	2	20.93	30	47.1	1	17.82	36	41.0	0
21	18.57	31	64.4	1	37.06	40	25.6	4	21.23	30	47.0	2	18.18	35	41.0	0
31	18.88	30	64.3	3	37.46	39	26.0	11	21.53	29	47.2	5	18.53	35	41.0	0
April 10	19.18	29	64.0	5	37.85	37	27.1	16	21.82	28	47.7	8	18.88	34	41.0	0
20	19.47	28	63.5	6	38.22	33	28.7	21	22.10	27	48.5	11	19.22	32	41.0	0
30	19.75	26	62.9	8	38.55	30	30.8	26	22.37	25	49.6	13	19.54	30	41.0	1
Mai 10	20.01	24	62.1	8	38.85	25	33.4	30	22.62	23	50.9	14	19.84	29	41.1	2
20	20.25	21	61.3	9	39.10	20	36.4	31	22.85	20	52.3	15	20.13	25	41.3	2
30	20.46	18	60.4	9	39.30	15	39.5	33	23.05	17	53.8	16	20.38	22	41.5	2
Juni 9	20.64	15	59.5	8	39.45	9	42.8	33	23.22	14	55.4	15	20.60	17	41.7	4
19	20.79	11	58.7	8	39.54	3	46.1	33	23.36	10	56.9	15	20.77	14	42.1	4
29	20.90	7	57.9	7	39.57	3	49.4	31	23.46	6	58.4	15	20.91	9	42.5	4
Juli 9	20.97	3	57.2	7	39.54	9	52.5	29	23.52	2	59.9	13	21.00	4	42.9	5
19	21.00	2	56.5	6	39.45	15	55.4	26	23.54	2	61.2	11	21.04	1	43.4	5
29	20.98	5	55.9	4	39.30	20	58.0	23	23.52	6	62.3	10	21.03	5	43.9	5
Aug. 8	20.93	8	55.5	3	39.10	24	60.3	19	23.46	9	63.3	8	20.98	9	44.4	4
18	20.85	12	55.2	3	38.86	29	62.2	15	23.37	12	64.1	6	20.89	13	44.8	3
28	20.73	14	54.9	2	38.57	31	63.7	10	23.25	14	64.7	5	20.76	16	45.1	3
Sept. 7	20.59	16	54.7	2	38.26	34	64.7	5	23.11	16	65.2	2	20.60	17	45.4	1
17	20.43	17	54.5	0	37.92	34	65.2	0	22.95	17	65.4	1	20.43	19	45.5	1
27	20.26	16	54.5	0	37.58	34	65.2	4	22.78	17	65.5	2	20.24	18	45.4	1
Okt. 7	20.10	15	54.5	1	37.24	32	64.8	10	22.61	15	65.3	3	20.06	17	45.3	3
17	19.95	12	54.6	3	36.92	30	63.8	15	22.46	13	65.0	6	19.89	14	45.0	4
27	19.83	9	54.9	3	36.62	25	62.3	20	22.33	10	64.4	7	19.75	11	44.6	5
Nov. 6	19.74	5	55.2	4	36.37	21	60.3	24	22.23	6	63.7	10	19.64	6	44.1	5
16	19.69	1	55.6	5	36.16	15	57.9	28	22.17	1	62.7	11	19.58	1	43.6	6
26	19.68	3	56.1	6	36.01	8	55.1	31	22.16	2	61.6	14	19.57	4	43.0	6
Dez. 6	19.71	9	56.7	8	35.93	1	52.0	34	22.18	7	60.2	15	19.61	9	42.4	5
16	19.80	14	57.5	9	35.92	6	48.6	38	22.25	13	58.7	17	19.70	16	41.9	5
26	19.94	18	58.4	9	35.98	13	44.8	35	22.38	16	57.0	16	19.86	20	41.4	4
36	20.12		59.3		36.11		41.3		22.54		55.4		20.06		41.0	
Mittl. Ort	17.49		50.0		36.53		54.8		20.25		65.5		16.96		34.1	
Sec δ, tg δ	1.015		−0.172		1.606		+1.257		1.001		+0.051		1.160		−0.587	

1914	680) 72 Ophiuchi. AR.		Dekl. +		681) ο Herculis. AR.		Dekl. +		682) μ Sagittarii. AR.		Dekl. —		688) η Serpentis. AR.		Dekl. —	
	18h 3m		9° 32′		18h 4m		28° 44′		18h 8m		21° 4′		18h 16m		2° 55′	
Jan. 0	15.18	17	52.6	20	9.89	16	48.6	28	36.03	20	65.1	2	50.46	17	28.9	13
10	15.35	21	50.6	19	10.05	20	45.8	27	36.23	24	65.3	2	50.63	20	30.2	12
20	15.56	24	48.7	18	10.25	23	43.1	25	36.47	26	65.5	2	50.83	23	31.4	12
30	15.80	25	46.9	15	10.48	27	40.6	22	36.73	29	65.7	3	51.06	26	32.6	10
Febr. 9	16.05	28	45.4	13	10.75	28	38.4	18	37.02	30	66.0	2	51.32	27	33.6	8
19	16.33	29	44.1	9	11.03	31	36.6	13	37.32	32	66.2	1	51.59	29	34.4	7
März 1	16.62	30	43.2	5	11.34	31	35.3	8	37.64	32	66.3	0	51.88	29	35.1	3
11	16.92	30	42.7	2	11.65	32	34.5	2	37.96	33	66.3	0	52.17	31	35.4	1
21	17.22	30	42.5	2	11.97	32	34.3	3	38.29	33	66.3	2	52.48	30	35.5	2
31	17.52	29	42.7	7	12.29	31	34.6	8	38.62	32	66.1	2	52.78	30	35.3	5
April 10	17.81	28	43.4	10	12.60	30	35.4	14	38.94	32	65.9	3	53.08	29	34.8	7
20	18.09	27	44.4	13	12.90	28	36.8	17	39.26	31	65.6	3	53.37	28	34.1	10
30	18.36	25	45.7	15	13.18	26	38.5	21	39.57	28	65.3	4	53.65	27	33.1	11
Mai 10	18.61	23	47.2	17	13.44	23	40.6	24	39.85	27	64.9	3	53.92	24	32.0	12
20	18.84	21	48.9	18	13.67	20	43.0	26	40.12	24	64.6	4	54.16	22	30.8	12
30	19.05	17	50.7	19	13.87	16	45.6	27	40.36	21	64.2	3	54.38	20	29.6	13
Juni 9	19.22	14	52.6	19	14.03	13	48.3	28	40.57	17	63.9	2	54.58	16	28.3	13
19	19.36	10	54.5	19	14.16	8	51.1	26	40.74	13	63.7	2	54.74	12	27.0	13
29	19.46	6	56.4	18	14.24	3	53.7	26	40.87	9	63.5	1	54.86	8	25.7	11
Juli 9	19.52	2	58.2	16	14.27	0	56.3	25	40.96	5	63.4	1	54.94	5	24.6	11
19	19.54	2	59.8	15	14.27	5	58.8	21	41.01	0	63.3	0	54.99	0	23.5	9
29	19.52	6	61.3	13	14.22	9	60.9	20	41.01	4	63.3	1	54.99	4	22.6	8
Aug. 8	19.46	9	62.6	11	14.13	14	62.9	16	40.97	8	63.4	0	54.95	8	21.8	6
18	19.37	13	63.7	8	13.99	16	64.5	13	40.89	11	63.4	1	54.87	11	21.2	5
28	19.24	15	64.5	6	13.83	19	65.8	9	40.78	14	63.5	1	54.76	13	20.7	3
Sept. 7	19.09	16	65.1	3	13.64	20	66.7	5	40.64	17	63.6	0	54.63	16	20.4	2
17	18.93	18	65.4	1	13.44	22	67.2	1	40.47	17	63.6	0	54.47	16	20.2	1
27	18.75	17	65.5	1	13.22	21	67.3	2	40.30	16	63.6	0	54.31	17	20.1	1
Okt. 7	18.58	16	65.4	5	13.01	20	67.1	7	40.14	16	63.6	1	54.14	15	20.2	2
17	18.42	14	64.9	7	12.81	18	66.4	11	39.98	13	63.5	1	53.99	14	20.4	4
27	18.28	11	64.2	9	12.63	15	65.3	15	39.85	11	63.4	1	53.85	11	20.8	6
Nov. 6	18.17	7	63.3	13	12.48	11	63.8	18	39.74	6	63.3	2	53.74	7	21.4	7
16	18.10	3	62.0	14	12.37	6	62.0	22	39.68	2	63.1	0	53.67	3	22.1	8
26	18.07	1	60.6	16	12.31	2	59.8	25	39.66	3	63.1	1	53.64	1	22.9	9
Dez. 6	18.08	6	59.0	18	12.29	3	57.3	26	39.69	8	63.0	0	53.65	6	23.8	11
16	18.14	11	57.2	22	12.32	9	54.7	31	39.77	14	63.0	1	53.71	10	24.9	13
26	[22] 18.25	15	55.0	19	[23] 12.41	14	51.6	28	[24] 39.91	18	63.1	1	53.81	16	26.2	13
36	18.40		53.1		12.55		48.8		40.09		63.2		[26] 53.97		27.5	
Mittl. Ort	16.33		62.9		11.25		59.7		37.19		56.3		51.57		19.3	
sec δ, tg δ	1.014		+0.168		1.141		+0.549		1.072		−0.386		1.001		−0.051	

1914	689) ε Sagittarii. AR.	Diff.	Dekl. −	Diff.	690) 109 Herculis. AR.	Diff.	Dekl. +	Diff.	691) α Telescopii. AR.	Diff.	Dekl. −	Diff.	695) χ Draconis. AR.	Diff.	Dekl. +	Diff.
	18h 18m		34° 25′		18h 20m		21° 43′		18h 20m		46° 1′		18h 22m		72° 41′	
Jan. 0	26.51	21	42.7	6	0.69	15	37.1	25	34.24	24	8.6	15	31.66	11	35.0	36
10	26.72	25	42.1	6	0.84	19	34.6	25	34.48	29	7.1	13	31.77	24	31.4	34
20	26.97	29	41.5	6	1.03	22	32.1	22	34.77	33	5.8	12	32.01	36	28.0	33
30	27.26	31	40.9	4	1.25	24	29.9	21	35.10	36	4.6	9	32.37	49	24.7	28
Febr. 9	27.57	34	40.5	4	1.49	27	27.8	16	35.46	39	3.7	9	32.86	59	21.9	24
19	27.91	35	40.1	4	1.76	29	26.2	13	35.85	41	2.8	7	33.45	67	19.5	19
März 1	28.26	37	39.7	2	2.05	30	24.9	7	36.26	43	2.1	5	34.12	73	17.6	12
11	28.63	37	39.5	3	2.35	31	24.2	3	36.69	43	1.6	3	34.85	75	16.4	5
21	29.00	37	39.2	2	2.66	31	23.9	3	37.12	44	1.3	2	35.60	77	15.9	1
31	29.37	37	39.0	1	2.97	30	24.2	7	37.56	43	1.1	0	36.37	75	16.0	7
April 10	29.74	36	38.9	1	3.27	30	24.9	11	37.99	42	1.1	1	37.12	71	16.7	14
20	30.10	34	38.8	1	3.57	28	26.0	16	38.41	40	1.2	3	37.83	65	18.1	19
30	30.44	33	38.9	1	3.85	27	27.6	18	38.81	39	1.5	5	38.48	57	20.0	25
Mai 10	30.77	31	39.0	1	4.12	24	29.4	22	39.20	36	2.0	7	39.05	47	22.5	28
20	31.08	28	39.1	3	4.36	21	31.6	23	39.56	32	2.7	9	39.52	36	25.3	31
30	31.36	24	39.4	4	4.57	18	33.9	25	39.88	28	3.6	9	39.88	25	28.4	33
Juni 9	31.60	21	39.8	5	4.75	15	36.4	25	40.16	23	4.5	12	40.13	12	31.7	35
19	31.81	15	40.3	6	4.90	10	38.9	25	40.39	19	5.7	12	40.25	1	35.2	34
29	31.96	12	40.9	6	5.00	7	41.4	24	40.58	12	6.9	13	40.24	13	38.6	34
Juli 9	32.08	6	41.5	7	5.07	2	43.8	22	40.70	6	8.2	13	40.11	26	42.0	32
19	32.14	1	42.2	7	5.09	3	46.0	20	40.76	1	9.5	13	39.85	37	45.2	30
29	32.15	4	42.9	7	5.06	6	48.0	18	40.77	5	10.8	12	39.48	48	48.2	27
Aug. 8	32.11	9	43.6	7	5.00	11	49.8	16	40.72	11	12.0	11	39.00	58	50.9	23
18	32.02	12	44.3	5	4.89	13	51.4	12	40.61	15	13.1	9	38.42	66	53.2	19
28	31.90	16	44.8	4	4.76	16	52.6	9	40.46	20	14.0	8	37.76	72	55.1	15
Sept. 7	31.74	18	45.2	3	4.60	19	53.5	6	40.26	22	14.8	4	37.04	77	56.6	9
17	31.56	20	45.5	1	4.41	19	54.1	2	40.04	24	15.2	2	36.27	79	57.5	5
27	31.36	20	45.6	0	4.22	20	54.3	1	39.80	24	15.4	1	35.48	81	58.0	1
Okt. 7	31.16	18	45.6	3	4.02	18	54.2	5	39.56	22	15.3	4	34.67	79	57.9	6
17	30.98	16	45.3	4	3.84	17	53.7	9	39.34	20	14.9	7	33.88	75	57.3	11
27	30.82	13	44.9	5	3.67	14	52.8	12	39.14	16	14.2	9	33.13	70	56.2	17
Nov. 6	30.69	8	44.4	7	3.53	10	51.6	15	38.98	11	13.3	12	32.43	61	54.5	22
16	30.61	3	43.7	8	3.43	6	50.1	18	38.87	5	12.1	13	31.82	51	52.3	26
26	30.58	2	42.9	8	3.37	2	48.3	21	38.82	1	10.8	14	31.31	40	49.7	29
Dez. 6	30.60	7	42.1	8	3.35	3	46.2	23	38.83	7	9.4	15	30.91	28	46.8	33
16	30.67	13	41.3	8	3.38	7	43.9	25	38.90	14	7.9	15	30.63	13	43.5	35
26	30.80	20	40.5	8	3.45	13	41.4	28	39.04	22	6.4	16	30.50	1	40.0	39
36	^{26}31.00		39.7		^{26}3.58		38.6		^{26}39.26		4.8		^{27}30.51		36.1	
Mittl. Ort	27.82		34.3		1.98		47.2		35.81		0.3		36.51		44.9	
sec δ, tg δ	1.212		−0.685		1.076		+0.398		1.440		−1.036		3.362		+3.209	

1914	694) *b* Draconis. AR.		Dekl. +		698) ζ Pavonis. AR.		Dekl. —		699) α Lyrae. AR.		Dekl. +		703) 110 Herculis. AR.		Dekl. +	
	$18^h 22^m$		58° 44′		$18^h 32^m$		71° 30′		$18^h 33^m$		38° 41′		$18^h 41^m$		20° 27′	
	s		″		s		″		s		″		s		″	
Jan. 0	36.65	12	52.0	36	56.01	38	20.9	27	59.94	11	61.3	31	56.33	12	38.5	25
10	36.77	19	48.4	34	56.39	49	18.2	26	60.05	17	58.2	30	56.45	16	36.0	23
20	36.96	26	45.0	32	56.88	60	15.6	24	60.22	21	55.2	28	56.61	20	33.7	22
30	37.22	33	41.8	28	57.48	68	13.2	21	60.43	25	52.4	26	56.81	23	31.5	20
Febr. 9	37.55	37	39.0	23	58.16	77	11.1	18	60.68	28	49.8	21	57.04	26	29.5	16
19	37.92	42	36.7	18	58.93	81	9.3	15	60.96	31	47.7	16	57.30	27	27.9	13
März 1	38.34	45	34.9	12	59.74	86	7.8	11	61.27	33	46.1	11	57.57	29	26.6	8
11	38.79	47	33.7	5	60.60	88	6.7	7	61.60	34	45.0	5	57.86	30	25.8	3
21	39.26	47	33.2	2	61.48	89	6.0	3	61.94	34	44.5	1	58.16	30	25.5	1
31	39.73	47	33.4	7	62.37	88	5.7	0	62.28	34	44.6	8	58.46	31	25.6	6
April 10	40.20	44	34.1	14	63.25	86	5.7	5	62.62	34	45.4	12	58.77	30	26.2	11
20	40.64	41	35.5	20	64.11	83	6.2	8	62.96	32	46.6	18	59.07	30	27.3	15
30	41.05	37	37.5	25	64.94	78	7.0	12	63.28	29	48.4	22	59.37	27	28.8	18
Mai 10	41.42	32	40.0	28	65.72	72	8.2	14	63.57	27	50.6	26	59.64	26	30.6	21
20	41.74	26	42.8	32	66.44	64	9.6	18	63.84	24	53.2	28	59.90	23	32.7	23
30	42.00	20	46.0	33	67.08	54	11.4	21	64.08	19	56.0	30	60.13	20	35.0	24
Juni 9	42.20	12	49.3	34	67.62	44	13.5	22	64.27	15	59.0	31	60.33	17	37.4	25
19	42.32	6	52.7	35	68.06	34	15.7	24	64.42	11	62.1	31	60.50	13	39.9	25
29	42.38	3	56.2	34	68.40	20	18.1	25	64.53	5	65.2	31	60.63	8	42.4	24
Juli 9	42.35	9	59.6	32	68.60	8	20.6	25	64.58	0	68.3	29	60.71	5	44.8	23
19	42.26	16	62.8	29	68.68	4	23.1	24	64.58	5	71.2	27	60.76	1	47.1	20
29	42.10	23	65.7	27	68.64	17	25.5	22	64.53	9	73.9	24	60.75	4	49.1	19
Aug. 8	41.87	28	68.4	23	68.47	28	27.7	21	64.44	14	76.3	21	60.71	9	51.0	16
18	41.59	35	70.7	19	68.19	39	29.8	17	64.30	18	78.4	17	60.62	12	52.6	14
28	41.24	37	72.6	14	67.80	47	31.5	13	64.12	21	80.1	14	60.50	15	54.0	10
Sept. 7	40.87	41	74.0	9	67.33	53	32.8	10	63.91	24	81.5	10	60.35	17	55.0	7
17	40.46	43	74.9	4	66.80	58	33.8	4	63.67	25	82.5	4	60.18	19	55.7	4
27	40.03	43	75.3	1	66.22	58	34.2	1	63.42	25	82.9	1	59.99	19	56.1	0
Okt. 7	39.60	41	75.2	6	65.64	57	34.1	6	63.17	25	83.0	5	59.80	19	56.1	3
17	39.19	40	74.6	11	65.07	52	33.5	10	62.92	22	82.5	9	59.61	17	55.8	7
27	38.79	35	73.5	17	64.55	45	32.5	16	62.70	21	81.6	14	59.44	15	55.1	10
Nov. 6	38.44	31	71.8	21	64.10	35	30.9	19	62.49	16	80.2	18	59.29	11	54.1	14
16	38.13	24	69.7	26	63.75	24	29.0	23	62.33	12	78.4	22	59.18	8	52.7	16
26	37.89	17	67.1	30	63.51	11	26.7	26	62.21	8	76.2	25	59.10	3	51.1	20
Dez. 6	37.72	10	64.1	32	63.40	2	24.1	27	62.13	2	73.7	28	59.07	1	49.1	21
16	37.62	2	60.9	34	63.42	16	21.4	28	62.11	3	70.9	30	59.08	5	47.0	23
26	37.60	7	57.5	39	63.58	33	18.6	31	62.14	10	67.9	34	59.13	11	44.7	26
36	[27] 37.67		53.6		[29] 63.91		15.5		[29] 62.24		64.5		[31] 59.24		42.1	
Mittl. Ort	39.29		62.1		59.52		12.7		61.59		70.8		57.62		47.7	
sec δ, tg δ	1.928		+1.648		3.152		−2.989		1.281		+0.801		1.067		+0.373	

1914	704) λ Pavonis. AR.		Dekl. —		705) β Lyrae. AR.		Dekl. +		707) o Draconis. AR.		Dekl. +		706) σ Sagittarii. AR.		Dekl. —	
	18h 44m		62° 17′		18h 46m		33° 15′		18h 49m		59° 16′		18h 49m		26° 24′	
Jan. 0	12.78	28	24.0	26	52.74	12	35.6	32	53.20	7	51.2	38	54.81	18	26.0	4
10	13.06	34	21.4	23	52.86	15	32.4	29	53.27	14	47.4	35	54.99	20	25.6	3
20	13.40	41	19.1	21	53.01	19	29.5	27	53.41	22	43.9	32	55.19	24	25.3	3
30	13.81	48	17.0	19	53.20	23	26.8	24	53.63	28	40.7	30	55.43	26	25.0	3
Febr. 9	14.29	52	15.1	17	53.43	26	24.4	20	53.91	35	37.7	25	55.69	29	24.7	3
19	14.81	57	13.4	14	53.69	29	22.4	16	54.26	40	35.2	21	55.98	31	24.4	4
März 1	15.38	59	12.0	12	53.98	31	20.8	11	54.66	43	33.1	14	56.29	32	24.0	4
11	15.97	61	10.8	8	54.29	32	19.7	5	55.09	47	31.7	8	56.61	33	23.6	4
21	16.58	62	10.0	5	54.61	32	19.2	1	55.56	47	30.9	2	56.94	34	23.2	5
31	17.20	62	9.5	2	54.93	33	19.3	6	56.03	48	30.7	5	57.28	34	22.7	5
April 10	17.82	62	9.3	1	55.26	33	19.9	11	56.51	46	31.2	11	57.62	35	22.2	5
20	18.44	59	9.4	4	55.59	31	21.0	16	56.97	45	32.3	18	57.97	33	21.7	5
30	19.03	57	9.8	8	55.90	29	22.6	21	57.42	40	34.1	22	58.30	32	21.2	5
Mai 10	19.60	52	10.6	10	56.19	27	24.7	24	57.82	36	36.3	27	58.62	31	20.7	4
20	20.12	48	11.6	13	56.46	24	27.1	27	58.18	31	39.0	30	58.93	28	20.3	3
30	20.60	42	12.9	16	56.70	21	29.8	28	58.49	24	42.0	33	59.21	25	20.0	2
Juni 9	21.02	35	14.5	18	56.91	17	32.6	30	58.73	18	45.3	34	59.46	22	19.8	2
19	21.37	28	16.3	19	57.08	12	35.6	30	58.91	10	48.7	35	59.68	18	19.6	0
29	21.65	19	18.2	21	57.20	8	38.6	29	59.01	3	52.2	35	59.86	14	19.6	1
Juli 9	21.84	11	20.3	21	57.28	3	41.5	28	59.04	5	55.7	33	60.00	9	19.7	2
19	21.95	1	22.4	21	57.31	3	44.3	26	58.99	13	59.0	32	60.09	4	19.9	3
29	21.96	7	24.5	20	57.28	6	46.9	23	58.86	19	62.2	29	60.13	1	20.2	3
Aug. 8	21.89	15	26.5	18	57.22	11	49.2	21	58.67	25	65.1	26	60.12	5	20.5	4
18	21.74	23	28.3	15	57.11	15	51.3	17	58.42	32	67.7	22	60.07	9	20.9	4
28	21.51	29	29.8	13	56.96	18	53.0	14	58.10	36	69.9	18	59.98	13	21.3	3
Sept. 7	21.22	34	31.1	10	56.78	21	54.4	10	57.74	40	71.7	14	59.85	16	21.6	3
17	20.88	37	32.1	5	56.57	23	55.4	6	57.34	42	73.1	8	59.69	17	21.9	2
27	20.51	38	32.6	0	56.34	23	56.0	1	56.92	43	73.9	3	59.52	18	22.1	1
Okt. 7	20.13	37	32.6	3	56.11	22	56.1	3	56.49	43	74.2	2	59.34	17	22.2	1
17	19.76	35	32.3	8	55.89	21	55.8	8	56.06	42	74.0	8	59.17	16	22.3	1
27	19.41	29	31.5	12	55.68	19	55.0	11	55.64	38	73.2	12	59.01	13	22.2	2
Nov. 6	19.12	23	30.3	16	55.49	15	53.9	16	55.26	34	72.0	18	58.88	9	22.0	3
16	18.89	16	28.7	20	55.34	11	52.3	20	54.92	28	70.2	23	58.79	6	21.7	3
26	18.73	7	26.7	20	55.23	7	50.3	23	54.64	22	67.9	27	58.73	1	21.4	3
Dez. 6	18.66	2	24.7	23	55.16	2	48.0	26	54.42	14	65.2	30	58.72	4	21.1	4
16	18.68	12	22.4	24	55.14	2	45.4	28	54.28	7	62.2	33	58.76	9	20.7	3
26	18.80	23	20.0	27	55.16	9	42.6	31	54.21	2	58.9	38	58.85	15	20.4	4
36	19.03		17.3		55.25		39.5		54.23		55.1		59.00		20.0	
Mittl. Ort	15.08		14.6		54.28		44.0		56.00		58.6		55.99		16.3	
sec δ, tg δ	2.151		−1.904		1.196		+0.656		1.958		+1.683		1.117		−0.496	

1914	708) λ Telescopii. AR.		Dekl. −		709) ϑ Serpentis pr. AR.		Dekl. +		711) *R* Lyrae. AR.		Dekl. +		713) γ Lyrae. AR.		Dekl. +	
	$18^h 51^m$		53° 3′		$18^h 51^m$		4° 5′		$18^h 52^m$		43° 49′		$18^h 55^m$		32° 33′	
	s		″		s		″		s		″		s		″	
Jan. 0	33.35	23	17.4	21	55.50	14	17.9	17	41.24	9	48.3	35	42.04	11	67.5	32
10	[2]33.58	27	15.3	19	[2]55.64	17	16.2	15	[3]41.33	14	44.8	32	[3]42.15	14	64.3	28
20	33.85	33	13.4	17	55.81	19	14.7	14	41.47	20	41.6	30	42.29	19	61.5	26
30	34.18	37	11.7	16	56.00	23	13.3	12	41.67	23	38.6	27	42.48	22	58.9	25
Febr. 9	34.55	41	10.1	15	56.23	25	12.1	10	41.90	28	35.9	23	42.70	25	56.4	20
19	34.96	44	8.6	12	56.48	26	11.1	8	42.18	31	33.6	19	42.95	28	54.4	16
März 1	35.40	46	7.4	11	56.74	28	10.3	4	42.49	33	31.7	13	43.23	30	52.8	11
11	35.86	48	6.3	8	57.02	29	9.9	1	42.82	35	30.4	7	43.53	31	51.7	6
21	36.34	50	5.5	7	57.31	30	9.8	3	43.17	37	29.7	0	43.84	33	51.1	0
31	36.84	49	4.8	3	57.61	31	10.1	6	43.54	36	29.7	5	44.17	32	51.1	5
April 10	37.33	49	4.5	1	57.92	29	10.7	9	43.90	36	30.2	12	44.49	33	51.6	11
20	37.82	47	4.4	1	58.21	30	11.6	12	44.26	34	31.4	16	44.82	31	52.7	16
30	38.29	46	4.5	4	58.51	28	12.8	14	44.60	33	33.0	22	45.13	30	54.3	20
Mai 10	38.75	44	4.9	6	58.79	26	14.2	16	44.93	29	35.2	25	45.43	28	56.3	24
20	39.19	39	5.5	9	59.05	25	15.8	17	45.22	26	37.7	29	45.71	25	58.7	26
30	39.58	35	6.4	11	59.30	21	17.5	18	45.48	22	40.6	31	45.96	21	61.3	28
Juni 9	39.93	30	7.5	12	59.51	19	19.3	18	45.70	17	43.7	32	46.17	18	64.1	30
19	40.23	25	8.7	15	59.70	15	21.1	17	45.87	12	46.9	33	46.35	13	67.1	29
29	40.48	18	10.2	16	59.85	11	22.8	16	45.99	7	50.2	32	46.48	9	70.0	30
Juli 9	40.66	11	11.8	16	59.96	7	24.4	16	46.06	2	53.4	32	46.57	4	73.0	28
19	40.77	4	13.4	17	60.03	2	26.0	14	46.08	5	56.6	29	46.61	1	75.8	26
29	40.81	3	15.1	16	60.05	1	27.4	12	46.03	9	59.5	27	46.60	6	78.4	24
Aug. 8	40.78	10	16.7	15	60.04	6	28.6	10	45.94	15	62.2	24	46.54	10	80.8	21
18	40.68	15	18.2	14	59.98	9	29.6	9	45.79	19	64.6	20	46.44	14	82.9	18
28	40.53	21	19.6	11	59.89	13	30.5	6	45.60	22	66.6	16	46.30	17	84.7	14
Sept. 7	40.32	25	20.7	9	59.76	15	31.1	4	45.38	25	68.2	12	46.13	21	86.1	11
17	40.07	27	21.6	5	59.61	16	31.5	3	45.13	27	69.4	8	45.92	22	87.2	7
27	39.80	28	22.1	2	59.45	16	31.8	0	44.86	28	70.2	2	45.70	22	87.9	2
Okt. 7	39.52	28	22.3	2	59.29	16	31.8	2	44.58	28	70.4	2	45.48	22	88.1	3
17	39.24	26	22.1	6	59.13	15	31.6	5	44.30	26	70.2	7	45.26	21	87.8	6
27	38.98	22	21.5	9	58.98	13	31.1	6	44.04	24	69.5	12	45.05	19	87.2	11
Nov. 6	38.76	17	20.6	12	58.85	10	30.5	8	43.80	21	68.3	17	44.86	15	86.1	15
16	38.59	11	19.4	15	58.75	6	29.7	10	43.59	16	66.6	21	44.71	12	84.6	18
26	38.48	5	17.9	16	58.69	2	28.7	12	43.43	11	64.5	25	44.59	8	82.8	23
Dez. 6	38.43	3	16.3	19	58.67	2	27.5	13	43.32	6	62.0	28	44.51	3	80.5	25
16	38.46	10	14.4	19	58.69	6	26.2	15	43.26	1	59.2	30	44.48	2	78.0	27
26	38.56	19	12.5	22	58.75	12	24.7	17	43.25	6	56.2	35	44.50	8	75.3	31
36	[33]38.75		10.3		[33]58.87		23.0		[34]43.31		52.7		[34]44.58		72.2	
Mittl. Ort	35.09		7.5		56.65		26.9		43.11		56.0		43.57		75.3	
sec δ, tg δ	1.664		−1.329		1.003		+0.071		1.386		+0.960		1.187		+0.639	

1914	716) ζ Aquilae. AR.		716) Dekl. +		717) λ Aquilae. AR.		717) Dekl. —		718) α Coron. austr. AR.		718) Dekl. —		720) π Sagittarii. AR.		720) Dekl. —	
	19ʰ 1ᵐ		13° 43′		19ʰ 1ᵐ		5° 0′		19ʰ 3ᵐ		38° 2′		19ʰ 4ᵐ		21° 9′	
Jan. 0	26.20	12	56.9	22	40.01	14	53.6	11	36.05	17	32.3	12	37.88	15	50.3	0
10	26.32	15	54.7	20	40.15	16	54.7	10	36.22	21	31.1	11	38.03	18	50.3	1
20	26.47	18	52.7	19	40.31	19	55.7	8	36.43	25	30.0	10	38.21	21	50.2	1
30	26.65	22	50.8	16	40.50	22	56.5	8	36.68	28	29.0	10	38.42	25	50.1	1
Febr. 9	26.87	24	49.2	14	40.72	25	57.3	6	36.96	32	28.0	10	38.67	26	50.0	2
19	27.11	26	47.8	11	40.97	27	57.9	3	37.28	34	27.0	9	38.93	29	49.8	2
März 1	27.37	27	46.7	7	41.24	28	58.2	2	37.62	35	26.1	9	39.22	30	49.6	4
11	27.64	29	46.0	3	41.52	29	58.4	— 1	37.97	37	25.2	7	39.52	32	49.2	5
21	27.93	30	45.7	— 2	41.81	30	58.3	4	38.34	38	24.5	7	39.84	32	48.7	5
31	28.23	30	45.9	6	42.11	31	57.9	6	38.72	39	23.8	6	40.16	33	48.2	6
April 10	28.53	30	46.5	9	42.42	30	57.3	8	39.11	38	23.2	5	40.49	33	47.6	7
20	28.83	30	47.4	14	42.72	31	56.5	10	39.49	38	22.7	3	40.82	32	46.9	7
30	29.13	28	48.8	16	43.03	29	55.5	12	39.87	37	22.4	2	41.14	32	46.2	8
Mai 10	29.41	27	50.4	19	43.32	27	54.3	13	40.24	36	22.2	1	41.46	30	45.4	7
20	29.68	25	52.3	21	43.59	26	53.0	14	40.60	32	22.1	— 1	41.76	29	44.7	7
30	29.93	22	54.4	22	43.85	23	51.6	14	40.92	30	22.2	3	42.05	25	44.0	6
Juni 9	30.15	19	56.6	23	44.08	20	50.2	13	41.22	26	22.5	4	42.30	22	43.4	5
19	30.34	15	58.9	22	44.28	17	48.9	13	41.48	21	22.9	6	42.52	19	42.9	4
29	30.49	11	61.1	22	44.45	13	47.6	12	41.69	17	23.5	7	42.71	15	42.5	3
Juli 9	30.60	7	63.3	20	44.58	8	46.4	11	41.86	11	24.2	9	42.86	10	42.2	1
19	30.67	2	65.3	19	44.66	4	45.3	9	41.97	6	25.1	8	42.96	5	42.1	0
29	30.69	— 2	67.2	17	44.70	0	44.4	8	42.03	0	25.9	10	43.01	1	42.1	0
Aug. 8	30.67	6	68.9	15	44.70	4	43.6	7	42.03	5	26.9	9	43.02	— 4	42.1	2
18	30.61	9	70.4	12	44.66	9	42.9	5	41.98	10	27.8	9	42.98	8	42.3	1
28	30.52	13	71.6	10	44.57	11	42.4	3	41.88	13	28.7	8	42.90	12	42.4	2
Sept. 7	30.39	16	72.6	7	44.46	14	42.1	2	41.75	17	29.5	6	42.78	14	42.6	3
17	30.23	17	73.3	4	44.32	15	41.9	1	41.58	20	30.1	5	42.64	16	42.9	2
27	30.06	17	73.7	1	44.17	16	41.8	0	41.38	20	30.6	2	42.48	17	43.1	1
Okt. 7	29.89	18	73.8	— 2	44.01	16	41.8	2	41.18	21	30.8	1	42.31	16	43.2	1
17	29.71	16	73.6	5	43.85	15	42.0	3	40.97	19	30.9	— 2	42.15	16	43.3	1
27	29.55	14	73.1	8	43.70	13	42.3	4	40.78	16	30.7	4	41.99	13	43.4	0
Nov. 6	29.41	12	72.3	10	43.57	9	42.7	5	40.62	13	30.3	6	41.86	10	43.4	0
16	29.29	8	71.3	14	43.48	6	43.2	6	40.49	8	29.7	8	41.76	6	43.4	0
26	29.21	4	69.9	15	43.42	3	43.8	8	40.41	3	28.9	9	41.70	2	43.4	1
Dez. 6	29.17	0	68.4	18	43.39	— 2	44.6	8	40.38	— 2	28.0	10	41.68	— 2	43.3	1
16	29.17	5	66.6	19	43.41	6	45.4	9	40.40	8	27.0	11	41.70	7	43.2	0
26	29.22	9	64.7	21	43.47	12	46.3	10	40.48	14	25.9	11	41.77	12	43.2	1
36	29.31		62.6		43.59		47.3		40.62		24.8		41.89		43.1	
Mittl. Ort	27.43		65.3		41.11		44.4		37.34		22.0		39.00		40.5	
sec δ, tg δ	1.029		+ 0.244		1.004		— 0.088		1.270		— 0.782		1.072		— 0.387	

1914	723) δ Draconis.				724) ϑ Lyrae.				725) ω Aquilae.				726) χ Cygni.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	19h 12m		67° 30′		19h 13m		37° 58′		19h 13m		11° 26′		19h 15m		53° 12′	
Jan. 0	28.38	2	31.9	38	21.27	8	41.4	34	45.59	11	14.3	21	4.58	4	28.3	37
10	28.36	9	28.1	35	21.35	12	38.0	30	45.70	13	12.2	18	4.62	10	24.6	34
20	28.45	19	24.6	34	21.47	16	35.0	28	45.83	17	10.4	17	4.72	17	21.2	32
30	28.64	30	21.2	31	21.63	21	32.2	26	46.00	21	8.7	16	4.89	23	18.0	30
Febr. 9	28.94	38	18.1	27	21.84	24	29.6	23	46.21	23	7.1	13	5.12	28	15.0	26
19	29.32	46	15.4	23	22.08	28	27.3	18	46.44	25	5.8	10	5.40	32	12.4	21
März 1	29.78	53	13.1	17	22.36	30	25.5	13	46.69	27	4.8	6	5.72	37	10.3	16
11	30.31	57	11.4	12	22.66	32	24.2	8	46.96	28	4.2	2	6.09	39	8.7	11
21	30.88	60	10.2	4	22.98	34	23.4	2	47.24	30	4.0	1	6.48	41	7.6	3
31	31.48	61	9.8	1	23.32	34	23.2	4	47.54	30	4.1	6	6.89	42	7.3	2
April 10	32.09	61	9.9	9	23.66	34	23.6	10	47.84	30	4.7	9	7.31	42	7.5	9
20	32.70	58	10.8	14	24.00	34	24.6	15	48.14	30	5.6	14	7.73	41	8.4	15
30	33.28	53	12.2	20	24.34	32	26.1	20	48.44	29	7.0	16	8.14	38	9.9	21
Mai 10	33.81	48	14.2	25	24.66	30	28.1	24	48.73	28	8.6	18	8.52	36	12.0	24
20	34.29	41	16.7	29	24.96	27	30.5	26	49.01	25	10.4	20	8.88	31	14.4	29
30	34.70	33	19.6	32	25.23	23	33.1	30	49.26	23	12.4	21	9.19	26	17.3	32
Juni 9	35.03	24	22.8	34	25.46	20	36.1	31	49.49	20	14.5	22	9.45	21	20.5	33
19	35.27	15	26.2	36	25.66	15	39.2	31	49.69	16	16.7	22	9.66	15	23.8	35
29	35.42	4	29.8	35	25.81	10	42.3	32	49.85	13	18.9	21	9.81	8	27.3	35
Juli 9	35.46	5	33.3	35	25.91	5	45.5	30	49.98	8	21.0	20	9.89	2	30.8	34
19	35.41	15	36.8	34	25.96	0	48.5	29	50.06	4	23.0	18	9.91	5	34.2	32
29	35.26	25	40.2	32	25.96	6	51.4	27	50.10	1	24.8	16	9.86	11	37.4	31
Aug. 8	35.01	33	43.4	29	25.90	10	54.1	24	50.09	4	26.4	15	9.75	17	40.5	27
18	34.68	41	46.3	26	25.80	14	56.5	21	50.05	9	27.9	12	9.58	22	43.2	25
28	34.27	48	48.9	21	25.66	18	58.6	17	49.96	12	29.1	9	9.36	27	45.7	20
Sept. 7	33.79	53	51.0	17	25.48	22	60.3	13	49.84	14	30.0	7	9.09	31	47.7	16
17	33.26	57	52.7	13	25.26	23	61.6	9	49.70	16	30.7	5	8.78	33	49.3	11
27	32.69	60	54.0	7	25.03	24	62.5	5	49.54	18	31.2	1	8.45	35	50.4	7
Okt. 7	32.09	60	54.7	1	24.79	25	63.0	0	49.36	17	31.3	1	8.10	35	51.1	1
17	31.49	59	54.8	4	24.54	23	63.0	5	49.19	16	31.2	4	7.75	34	51.2	4
27	30.90	56	54.4	9	24.31	22	62.5	10	49.03	14	30.8	7	7.41	32	50.8	10
Nov. 6	30.34	52	53.5	14	24.09	18	61.5	14	48.89	12	30.1	9	7.09	28	49.8	14
16	29.82	45	52.1	20	23.91	15	60.1	18	48.77	8	29.2	12	6.81	25	48.4	20
26	29.37	38	50.1	24	23.76	11	58.3	22	48.69	5	28.0	14	6.56	20	46.4	24
Dez. 6	28.99	29	47.7	29	23.65	6	56.1	25	48.64	1	26.6	16	6.36	13	44.0	27
16	28.70	19	44.8	31	23.59	1	53.6	28	48.63	4	25.0	18	6.23	7	41.3	31
26	28.51	8	41.7	34	23.58	3	50.8	29	48.67	7	23.2	18	6.16	1	38.2	33
36	28.43		38.3		23.61		47.9		48.74		21.4		6.15		34.9	
Mittl. Ort	32.32		36.8		22.96		47.7		46.78		22.3		6.96		33.6	
sec δ, tg δ	2.614		+2.415		1.269		+0.781		1.020		+0.202		1.670		+1.337	

1914	729) τ Draconis. AR.		Dekl. +		728) α Sagittarii. AR.		Dekl. —		730) δ Aquilae. AR.		Dekl. +		732) β Cygni. AR.		Dekl. +	
	19ʰ 17ᵐ		73° 11′		19ʰ 17ᵐ		40° 46′		19ʰ 21ᵐ		2° 56′		19ʰ 27ᵐ		27° 46′	
	s		″		s		″		s		″		s		″	
Jan. 0	7.53	10	42.0	37	54.47	16	54.1	15	8.62	11	24.5	15	13.74	6	35.9	26
10	7.43	6	38.3	35	54.63	20	52.6	13	8.73	14	23.0	13	13.80	12	33.3	28
20	7.49	20	34.8	33	54.83	24	51.3	13	8.87	17	21.7	13	13.92	15	30.5	25
30	7.69	34	31.5	32	55.07	27	50.0	12	9.04	20	20.4	11	14.07	19	28.0	23
Febr. 9	8.03	46	28.3	28	55.34	31	48.8	12	9.24	23	19.3	9	14.26	22	25.7	19
19	8.49	57	25.5	24	55.65	34	47.6	12	9.47	25	18.4	7	14.48	25	23.8	16
März 1	9.06	66	23.1	18	55.99	36	46.4	11	9.72	26	17.7	3	14.73	28	22.2	12
11	9.72	72	21.3	12	56.35	37	45.3	9	9.98	28	17.4	0	15.01	29	21.0	6
21	10.44	77	20.1	6	56.72	39	44.4	9	10.26	30	17.4	3	15.30	31	20.4	1
31	11.21	78	19.5	1	57.11	40	43.5	7	10.56	30	17.7	6	15.61	31	20.3	4
April 10	11.99	77	19.6	7	57.51	40	42.8	6	10.86	30	18.3	9	15.92	32	20.7	9
20	12.76	74	20.3	14	57.91	40	42.2	5	11.16	30	19.2	12	16.24	32	21.6	14
30	13.50	68	21.7	19	58.31	39	41.7	3	11.46	30	20.4	15	16.56	31	23.0	18
Mai 10	14.18	61	23.6	24	58.70	37	41.4	1	11.76	28	21.9	16	16.87	29	24.8	21
20	14.79	51	26.0	28	59.07	35	41.3	1	12.04	26	23.5	17	17.16	27	26.9	25
30	15.30	41	28.8	31	59.42	32	41.4	3	12.30	24	25.2	18	17.43	24	29.4	27
Juni 9	15.71	29	31.9	34	59.74	28	41.7	5	12.54	22	27.0	18	17.67	21	32.1	28
19	16.00	16	35.3	35	60.02	24	42.2	6	12.76	17	28.8	18	17.88	17	34.9	28
29	16.16	3	38.8	36	60.26	18	42.8	9	12.93	14	30.6	17	18.05	12	37.7	29
Juli 9	16.19	10	42.4	35	60.44	14	43.7	9	13.07	10	32.3	16	18.17	8	40.6	27
19	16.09	23	45.9	34	60.58	7	44.6	11	13.17	5	33.9	14	18.25	3	43.3	27
29	15.86	34	49.3	32	60.65	2	45.7	11	13.22	1	35.3	13	18.28	1	46.0	24
Aug. 8	15.52	46	52.5	30	60.67	4	46.8	11	13.23	3	36.6	10	18.27	6	48.4	21
18	15.06	57	55.5	26	60.63	9	47.9	10	13.20	7	37.6	9	18.21	11	50.5	19
28	14.49	65	58.1	22	60.54	14	48.9	9	13.13	11	38.5	7	18.10	14	52.4	16
Sept. 7	13.84	72	60.3	18	60.40	17	49.8	9	13.02	13	39.2	5	17.96	16	54.0	12
17	13.12	78	62.1	14	60.23	20	50.7	6	12.89	16	39.7	3	17.80	19	55.2	8
27	12.34	81	63.5	8	60.03	21	51.3	3	12.73	16	40.0	0	17.61	21	56.0	5
Okt. 7	11.53	82	64.3	3	59.82	22	51.6	1	12.57	16	40.0	1	17.40	20	56.5	0
17	10.71	81	64.6	2	59.60	20	51.7	1	12.41	15	39.9	3	17.20	20	56.5	4
27	9.90	77	64.4	8	59.40	18	51.6	3	12.26	14	39.6	5	17.00	18	56.1	7
Nov. 6	9.13	72	63.6	14	59.22	14	51.3	6	12.12	11	39.1	7	16.82	15	55.4	12
16	8.41	65	62.2	18	59.08	10	50.7	8	12.01	7	38.4	9	16.67	13	54.2	15
26	7.76	55	60.4	24	58.98	5	49.9	10	11.94	5	37.5	10	16.54	8	52.7	18
Dez. 6	7.21	44	58.0	27	58.93	1	48.9	12	11.89	0	36.5	12	16.46	5	50.9	21
16	6.77	31	55.3	31	58.94	6	47.7	12	11.89	4	35.3	13	16.41	0	48.8	24
26	6.46	18	52.2	34	59.00	11	46.5	13	11.93	8	34.0	13	16.41	4	46.4	25
36	6.28		48.8		59.11		45.2		12.01		32.7		16.45		43.9	
Mittl. Ort	12.84		46.2		55.77		43.1		9.75		33.0		15.17		42.1	
sec δ, tg δ	3.459		+ 3.311		1.321		— 0.863		1.001		+ 0.051		1.130		+ 0.527	

1914	733) ι Cygni. AR.		Dekl. +		736) h Sagittarii. AR.		Dekl. −		738) θ Cygni. AR.		Dekl. +		741) γ Aquilae. AR.		Dekl. +	
	$19^h\ 27^m$		$51°\ 32'$		$19^h\ 31^m$		$25°\ 4'$		$19^h\ 34^m$		$50°\ 0'$		$19^h\ 42^m$		$10°\ 23'$	
	s		"		s		"		s		"		s		"	
Jan. 0	30.01	1	41.4	32	27.43	11	37.9	4	5.92	1	73.1	32	9.11	7	63.5	17
10	30.02	10	38.2	37	27.54	17	37.5	4	5.93	8	69.9	35	9.18	12	61.8	19
20	(10) 30.12	15	34.5	32	(11) 27.71	19	37.1	4	(12) 6.01	14	66.4	32	(11) 9.30	14	59.9	16
30	30.27	20	31.3	29	27.90	22	36.7	5	6.15	19	63.2	30	9.44	18	58.3	14
Febr. 9	30.47	26	28.4	27	28.12	25	36.2	6	6.34	25	60.2	26	9.62	21	56.9	13
19	30.73	30	25.7	22	28.37	28	35.6	6	6.59	29	57.6	22	9.83	23	55.6	9
März 1	31.03	35	23.5	17	28.65	29	35.0	7	6.88	33	55.4	17	10.06	25	54.7	6
11	31.38	37	21.8	11	28.94	31	34.3	7	7.21	36	53.7	12	10.31	27	54.1	2
21	31.75	40	20.7	5	29.25	33	33.6	8	7.57	38	52.5	5	10.58	28	53.9	1
31	32.15	40	20.2	2	29.58	33	32.8	8	7.95	40	52.0	1	10.86	30	54.0	6
April 10	32.55	41	20.4	8	29.91	34	32.0	9	8.35	40	52.1	7	11.16	31	54.6	9
20	32.96	41	21.2	14	30.25	34	31.1	8	8.75	39	52.8	14	11.47	30	55.5	13
30	33.37	38	22.6	19	30.59	34	30.3	9	9.14	38	54.2	18	11.77	30	56.8	15
Mai 10	33.75	36	24.5	24	30.93	32	29.4	8	9.52	36	56.0	24	12.07	29	58.3	19
20	34.11	32	26.9	28	31.25	31	28.6	7	9.88	32	58.4	27	12.36	28	60.2	20
30	34.43	27	29.7	31	31.56	28	27.9	5	10.20	28	61.1	31	12.64	25	62.2	21
Juni 9	34.70	22	32.8	33	31.84	26	27.4	5	10.48	23	64.2	33	12.89	22	64.3	22
19	34.92	17	36.1	34	32.10	22	26.9	3	10.71	17	67.5	34	13.11	19	66.5	22
29	35.09	11	39.5	35	32.32	17	26.6	1	10.88	12	70.9	35	13.30	15	68.7	21
Juli 9	35.20	4	43.0	34	32.49	13	26.5	0	11.00	5	74.4	34	13.45	11	70.8	20
19	35.24	2	46.4	33	32.62	8	26.5	2	11.05	1	77.8	33	13.56	7	72.8	19
29	35.22	9	49.7	31	32.70	3	26.7	2	11.04	6	81.1	31	13.63	2	74.7	17
Aug. 8	35.13	14	52.8	29	32.73	1	26.9	4	10.98	13	84.2	29	13.65	2	76.4	15
18	34.99	20	55.7	25	32.72	6	27.3	4	10.85	17	87.1	26	13.63	6	77.9	13
28	34.79	24	58.2	22	32.66	10	27.7	4	10.68	23	89.7	21	13.57	10	79.2	10
Sept. 7	34.55	28	60.4	17	32.56	13	28.1	4	10.45	27	91.8	18	13.47	13	80.2	8
17	34.27	31	62.1	12	32.43	16	28.5	4	10.18	29	93.6	13	13.34	15	81.0	5
27	33.96	33	63.3	8	32.27	17	28.9	3	9.89	31	94.9	9	13.19	16	81.5	3
Okt. 7	33.63	33	64.1	3	32.10	17	29.2	2	9.58	32	95.8	3	13.03	17	81.8	1
17	33.30	33	64.4	2	31.93	17	29.4	1	9.26	31	96.1	1	12.86	16	81.7	2
27	32.97	31	64.2	8	31.76	14	29.5	1	8.95	30	96.0	7	12.70	15	81.5	6
Nov. 6	32.66	28	63.4	13	31.62	12	29.6	1	8.65	27	95.3	12	12.55	13	80.9	8
16	32.38	24	62.1	18	31.50	8	29.5	1	8.38	23	94.1	18	12.42	10	80.1	10
26	32.14	19	60.3	23	31.42	5	29.4	2	8.15	19	92.3	21	12.32	6	79.1	12
Dez. 6	31.95	14	58.0	26	31.37	0	29.2	3	7.96	14	90.2	26	12.26	3	77.9	14
16	31.81	8	55.4	29	31.37	4	28.9	4	7.82	8	87.6	28	12.23	1	76.5	16
26	31.73	2	52.5	32	31.41	9	28.5	3	7.74	2	84.8	31	12.24	6	74.9	17
36	31.71		49.3		31.50		28.2		7.72		81.7		12.30		73.2	
Mittl. Ort	32.29		45.8		28.51		27.4		8.11		77.0		10.27		70.7	
sec δ, tg δ	1.608		+1.259		1.104		−0.468		1.556		+1.193		1.017		+0.184	

1914	742) δ Cygni.				743) δ Sagittae.				745) α Aquilae.*)				747) ε Draconis.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	19h 42m		44° 54′		19h 43m		18° 18′		19h 46m		8° 38′		19h 48m		70° 2′	
Jan. 0	15.30s		69.3″		31.93s		70.8″		34.10s		18.3″		23.73s		54.8″	
10	15.32	2	66.3	30	31.99	6	68.7	21	34.17	7	16.7	16	23.59	14	51.5	33
20	15.40	8	62.9	34	32.10	11	66.4	23	34.29	12	15.0	17	23.57	2	47.8	37
30	15.52	12	59.8	31	32.24	14	64.3	21	34.44	15	13.5	15	23.67	—10	44.4	34
Febr. 9	15.70	18	57.0	28	32.41	17	62.5	18	34.62	18	12.2	13	23.90	23	41.2	32
19	15.92	22	54.4	26	32.61	20	60.9	16	34.82	20	11.1	11	24.23	33	38.2	30
März 1	16.19	27	52.2	22	32.84	23	59.6	13	35.05	23	10.2	9	24.66	43	35.6	26
11	16.49	30	50.6	16	33.10	26	58.7	9	35.30	25	9.7	5	25.18	52	33.5	21
21	16.82	33	49.5	11	33.37	27	58.3	4	35.57	27	9.6	1	25.77	59	31.9	16
31	17.17	35	49.0	5	33.66	29	58.3	0	35.86	29	9.8	—2	26.41	64	31.0	9
April 10	17.54	37	49.1	—1	33.96	30	58.7	4	36.15	29	10.4	6	27.08	67	30.7	3
20	17.91	37	49.8	7	34.27	31	59.6	9	36.46	31	11.3	9	27.76	68	31.1	—4
30	18.29	38	51.0	12	34.58	31	60.9	13	36.76	30	12.6	13	28.42	66	32.1	10
Mai 10	18.64	35	52.8	18	34.88	30	62.6	17	37.06	30	14.2	16	29.06	64	33.7	16
20	18.98	34	55.1	23	35.18	30	64.5	19	37.36	30	16.0	18	29.64	58	35.8	21
30	19.30	32	57.7	26	35.45	27	66.7	22	37.64	28	18.0	20	30.16	52	38.4	26
Juni 9	19.57	27	60.7	30	35.71	26	69.1	24	37.89	25	20.1	21	30.60	44	41.4	30
19	19.81	24	63.9	32	35.93	22	71.6	25	38.12	23	22.2	21	30.94	34	44.7	33
29	19.99	18	67.2	33	36.12	19	74.1	25	38.31	19	24.3	21	31.18	24	48.2	35
Juli 9	20.12	13	70.6	34	36.26	14	76.6	25	38.47	16	26.4	21	31.32	14	51.8	36
19	20.20	8	74.0	34	36.36	10	79.0	24	38.58	11	28.3	19	31.35	3	55.4	36
29	20.22	2	77.2	32	36.42	6	81.3	23	38.65	7	30.2	19	31.26	—9	59.0	36
Aug. 8	20.18	—4	80.2	30	36.44	2	83.4	21	38.67	2	31.8	16	31.07	19	62.4	34
18	20.09	9	83.1	29	36.41	—3	85.3	19	38.66	—1	33.2	14	30.77	30	65.6	32
28	19.94	15	85.6	25	36.34	7	86.9	16	38.60	6	34.4	12	30.38	39	68.6	30
Sept. 7	19.75	19	87.7	21	36.23	11	88.2	13	38.50	10	35.4	10	29.91	47	71.2	26
17	19.53	22	89.5	18	36.09	14	89.3	11	38.38	12	36.1	7	29.36	55	73.4	22
27	19.28	25	90.8	13	35.93	16	90.0	7	38.23	15	36.6	5	28.76	60	75.2	18
Okt. 7	19.01	27	91.7	9	35.76	17	90.4	4	38.07	16	36.8	2	28.12	64	76.5	13
17	18.73	28	92.1	4	35.58	18	90.5	1	37.91	16	36.8	0	27.46	66	77.3	8
27	18.46	27	92.0	—1	35.40	18	90.3	—2	37.75	16	36.5	3	26.79	67	77.5	2
Nov. 6	18.20	26	91.3	7	35.24	16	89.7	6	37.61	14	36.0	5	26.14	65	77.2	—3
16	17.96	24	90.2	11	35.11	13	88.8	9	37.48	13	35.3	7	25.52	62	76.2	10
26	17.76	20	88.6	16	35.00	11	87.6	12	37.39	9	34.3	10	24.95	57	74.8	14
Dez. 6	17.60	16	86.6	20	34.92	8	86.1	15	37.33	6	33.2	11	24.46	49	72.8	20
16	17.48	12	84.2	24	34.88	4	84.4	17	37.30	3	31.9	13	24.05	41	70.4	24
26	17.42	6	81.5	27	34.88	0	82.5	19	37.31	—1	30.4	15	23.73	32	67.5	29
36	17.40	2	78.5	30	34.92	4	80.5	20	37.37	6	28.9	15	23.53	20	64.4	31
Mittl. Ort	17.24		73.0		33.18		77.0		35.24		25.6		28.23		56.0	
sec δ, tg δ	1.412		+0.997		1.053		+0.331		1.011		+0.152		2.930		+2.754	

*) Die jährliche Parallaxe ist bereits angebracht.

1914	748) ε Pavonis.				749) β Aquilae.				750) ψ Cygni.				751) ϑ^1 Sagittarii.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	19h 50m		73° 8′		19h 51m		6° 11′		19h 53m		52° 12′		19h 54m		35° 30′	
Jan. 0	36.78	12	33.3	30	4.23	7	21.0	14	22.09	3	34.6	31	7.35	9	46.7	10
10	36.90	29	30.3	34	4.30	11	19.6	16	22.06	5	31.5	35	7.44	15	45.7	12
20	37.19	39	26.9	31	4.41	14	18.0	14	22.11	11	28.0	33	7.59	18	44.5	12
30	37.58	51	23.8	29	4.55	17	16.6	12	22.22	17	24.7	30	7.77	22	43.3	13
Febr. 9	38.09	62	20.9	28	4.72	20	15.4	10	22.39	22	21.7	28	7.99	25	42.0	11
19	38.71	70	18.1	25	4.92	22	14.4	8	22.61	28	18.9	24	8.24	29	40.9	13
März 1	39.41	79	15.6	22	5.14	25	13.6	4	22.89	32	16.5	19	8.53	31	39.6	12
11	40.20	84	13.4	20	5.39	27	13.2	2	23.21	36	14.6	13	8.84	33	38.4	13
21	41.04	90	11.4	16	5.66	28	13.0	3	23.57	39	13.3	8	9.17	34	37.1	11
31	41.94	93	9.8	11	5.94	29	13.3	6	23.96	41	12.5	1	9.51	37	36.0	12
April 10	42.87	94	8.7	8	6.23	31	13.9	9	24.37	41	12.4	5	9.88	37	34.8	10
20	43.81	94	7.9	4	6.54	30	14.8	12	24.78	42	12.9	12	10.25	37	33.8	9
30	44.75	92	7.5	1	6.84	30	16.0	15	25.20	40	14.1	16	10.62	38	32.9	8
Mai 10	45.67	90	7.6	5	7.14	30	17.5	18	25.60	38	15.7	22	11.00	37	32.1	7
20	46.57	82	8.1	9	7.44	28	19.3	18	25.98	36	17.9	27	11.37	35	31.4	4
30	47.39	76	9.0	13	7.72	26	21.1	20	26.34	30	20.6	30	11.72	33	31.0	3
Juni 9	48.15	67	10.3	16	7.98	23	23.1	20	26.64	26	23.6	32	12.05	29	30.7	0
19	48.82	56	11.9	20	8.21	20	25.1	20	26.90	21	26.8	34	12.34	26	30.7	1
29	49.38	45	13.9	21	8.41	16	27.1	19	27.11	15	30.2	35	12.60	21	30.8	4
Juli 9	49.83	31	16.0	24	8.57	12	29.0	19	27.26	8	33.7	35	12.81	17	31.2	5
19	50.14	17	18.4	25	8.69	8	30.9	16	27.34	1	37.2	34	12.98	11	31.7	7
29	50.31	4	20.9	26	8.77	4	32.5	15	27.35	5	40.6	33	13.09	6	32.4	9
Aug. 8	50.35	11	23.5	25	8.81	1	34.0	13	27.30	11	43.9	30	13.15	0	33.3	9
18	50.24	25	26.0	23	8.80	5	35.3	11	27.19	17	46.9	28	13.15	5	34.2	9
28	49.99	36	28.3	21	8.75	9	36.4	9	27.02	22	49.7	24	13.10	9	35.1	9
Sept. 7	49.63	47	30.4	18	8.66	12	37.3	7	26.80	26	52.1	21	13.01	14	36.0	9
17	49.16	56	32.2	14	8.54	14	38.0	4	26.54	29	54.2	16	12.87	16	36.9	7
27	48.60	61	33.6	9	8.40	16	38.4	2	26.25	32	55.8	11	12.71	19	37.6	6
Okt. 7	47.99	65	34.5	3	8.24	16	38.6	1	25.93	33	56.9	6	12.52	19	38.2	4
17	47.34	64	34.8	1	8.08	16	38.5	2	25.60	33	57.5	1	12.33	19	38.6	2
27	46.70	61	34.7	7	7.92	14	38.3	5	25.27	32	57.6	4	12.14	17	38.8	0
Nov. 6	46.09	55	34.0	12	7.78	13	37.8	7	24.95	30	57.2	10	11.97	15	38.8	2
16	45.54	46	32.8	17	7.65	9	37.1	9	24.65	26	56.2	15	11.82	12	38.6	5
26	45.08	36	31.1	21	7.56	7	36.2	11	24.39	22	54.7	19	11.70	7	38.1	6
Dez. 6	44.72	23	29.0	26	7.49	3	35.1	12	24.17	17	52.8	24	11.63	3	37.5	8
16	44.49	10	26.4	27	7.46	1	33.9	13	24.00	12	50.4	28	11.60	1	36.7	9
26	44.39	4	23.7	30	7.47	5	32.6	15	23.88	5	47.6	30	11.61	7	35.8	10
36	44.43		20.7		7.52		31.1		23.83		44.6		11.68		34.8	
Mittl. Ort	39.85		19.7		5.33		28.4		24.41		36.7		8.44		35.0	
sec δ, tg δ	3.447		−3.299		1.006		+0.108		1.632		+1.290		1.228		−0.714	

1914	752) γ Sagittae. AR.		Dekl. +		754) δ Pavonis. AR.		Dekl. —		756) ϑ Aquilae. AR.		Dekl. —		757) o^1 seq. Cygni. AR.		Dekl. +	
	19ʰ 54ᵐ		19° 15′		20ʰ 0ᵐ		66° 23′		20ʰ 6ᵐ		1° 4′		20ʰ 10ᵐ		46° 28′	
Jan. 0	54.69	4	22.7	21	15.91	10	83.0	27	51.07	6	46.2	10	53.43	2	46.7	29
10	54.73	10	20.6	23	16.01	21	80.3	31	51.13	10	47.2	10	53.41	— 3	43.8	30
20	[17] 54.83	13	18.3	20	[18] 16.22	29	77.2	28	[19] 51.23	13	48.2	9	53.44	9	40.8	34
30	54.96	16	16.3	19	16.51	37	74.4	27	51.36	16	49.1	8	[20] 53.53	14	37.4	29
Febr. 9	55.12	19	14.4	16	16.88	45	71.7	26	51.52	19	49.9	6	53.67	19	34.5	27
19	55.31	22	12.8	13	17.33	52	69.1	24	51.71	22	50.5	3	53.86	24	31.8	23
März 1	55.53	25	11.5	10	17.85	57	66.7	23	51.93	24	50.8	2	54.10	28	29.5	19
11	55.78	27	10.5	5	18.42	62	64.4	19	52.17	26	51.0	— 2	54.38	31	27.6	14
21	56.05	28	10.0	1	19.04	65	62.5	17	52.43	27	50.8	4	54.69	35	26.2	8
31	56.33	30	9.9	— 4	19.69	69	60.8	13	52.70	29	50.4	8	55.04	36	25.4	2
April 10	56.63	31	10.3	9	20.38	70	59.5	9	52.99	31	49.6	10	55.40	39	25.2	— 5
20	56.94	31	11.2	13	21.08	71	58.6	6	53.30	30	48.6	12	55.79	38	25.7	10
30	57.25	31	12.5	16	21.79	69	58.0	2	53.60	31	47.4	15	56.17	38	26.7	16
Mai 10	57.56	30	14.1	20	22.48	68	57.8	— 2	53.91	31	45.9	16	56.55	37	28.3	20
20	57.86	28	16.1	22	23.16	64	58.0	6	54.22	29	44.3	17	56.92	34	30.3	25
30	58.14	27	18.3	24	23.80	60	58.6	10	54.51	27	42.6	18	57.26	31	32.8	28
Juni 9	58.41	23	20.7	25	24.40	53	59.6	13	54.78	25	40.8	17	57.57	26	35.6	32
19	58.64	19	23.2	26	24.93	46	60.9	16	55.03	22	39.1	17	57.83	23	38.8	33
29	58.83	16	25.8	25	25.39	38	62.5	19	55.25	18	37.4	16	58.06	17	42.1	34
Juli 9	58.99	12	28.3	25	25.77	27	64.4	21	55.43	14	35.8	15	58.23	11	45.5	34
19	59.11	7	30.8	24	26.04	18	66.5	23	55.57	10	34.3	14	58.34	5	48.9	34
29	59.18	2	33.2	21	26.22	7	68.8	24	55.67	5	32.9	11	58.39	0	52.3	32
Aug. 8	59.20	— 2	35.3	20	26.29	— 3	71.2	23	55.72	0	31.8	10	58.39	7	55.5	30
18	59.18	7	37.3	17	26.26	14	73.5	22	55.72	3	30.8	8	58.32	11	58.5	28
28	59.11	10	39.0	15	26.12	22	75.7	20	55.69	7	30.0	6	58.21	16	61.3	24
Sept. 7	59.01	13	40.5	11	25.90	31	77.7	18	55.62	10	29.4	4	58.05	21	63.7	21
17	58.88	15	41.6	8	25.59	37	79.5	14	55.52	13	29.0	3	57.84	23	65.8	17
27	58.73	17	42.4	5	25.22	42	80.9	10	55.39	15	28.7	1	57.61	27	67.5	12
Okt. 7	58.56	18	42.9	2	24.80	44	81.9	6	55.24	15	28.6	— 1	57.34	27	68.7	8
17	58.38	18	43.1	— 2	24.36	44	82.5	1	55.09	15	28.7	3	57.07	28	69.5	3
27	58.20	16	42.9	5	23.92	42	82.6	— 4	54.94	15	29.0	4	56.79	27	69.8	— 3
Nov. 6	58.04	14	42.4	8	23.50	38	82.2	10	54.79	12	29.4	5	56.52	25	69.5	8
16	57.90	12	41.6	12	23.12	32	81.2	13	54.67	10	29.9	6	56.27	23	68.7	12
26	57.78	8	40.4	14	22.80	24	79.9	18	54.57	6	30.5	8	56.04	19	67.5	18
Dez. 6	57.70	5	39.0	17	22.56	16	78.1	21	54.51	4	31.3	8	55.85	15	65.7	21
16	57.65	1	37.3	19	22.40	6	76.0	25	54.47	0	32.1	10	55.70	11	63.6	25
26	57.64	— 2	35.4	20	22.34	— 4	73.5	26	54.47	4	33.1	10	55.59	5	61.1	28
36	57.66		33.4		22.38		70.9		54.51		34.1		55.54		58.3	
Mittl. Ort	55.94		28.3		18.01		69.1		52.09		38.3		55.41		47.9	
sec δ, tg δ	1.059		+0.349		2.498		—2.289		1.000		—0.019		1.452		+1.053	

1914	759) ϰ Cephei. AR.		759) ϰ Cephei. Dekl. +		760) 24 Vulpecul. AR.		760) 24 Vulpecul. Dekl. +		761) α² Capricorni. AR.		761) α² Capricorni. Dekl. —		764) α Pavonis. AR.		764) α Pavonis. Dekl. —	
	20ʰ 11ᵐ		77° 26′		20ʰ 13ᵐ		24° 24′		20ʰ 13ᵐ		12° 48′		20ʰ 18ᵐ		57° 0′	
Jan. 0	41.15	39	72.2	31	4.98	2	15.9	22	16.11	6	53.0	3	49.70	6	55.6	23
10	40.76	21	69.1	33	5.00	6	13.7	23	16.17	10	53.3	2	49.76	12	53.3	24
20	40.55	2	65.8	36	5.06	11	11.4	24	16.27	14	53.5	2	49.88	21	50.9	27
30	[21] 40.53	19	62.2	34	[21] 5.17	14	9.0	21	[21] 16.41	16	53.7	0	[22] 50.09	26	48.2	25
Febr. 9	40.72	38	58.8	31	5.31	18	6.9	19	16.57	20	53.7	1	50.35	31	45.7	24
19	41.10	54	55.7	27	5.49	21	5.0	16	16.77	22	53.6	2	50.66	36	43.3	23
März 1	41.64	71	53.0	24	5.70	24	3.4	11	16.99	24	53.4	4	51.02	40	41.0	22
11	42.35	81	50.6	19	5.94	26	2.3	8	17.23	27	53.0	6	51.42	45	38.8	21
21	43.16	93	48.7	12	6.20	28	1.5	2	17.50	28	52.4	8	51.87	47	36.7	18
31	44.09	98	47.5	7	6.48	30	1.3	2	17.78	30	51.6	10	52.34	50	34.9	16
April 10	45.07	102	46.8	0	6.78	31	1.5	7	18.08	31	50.6	11	52.84	52	33.3	13
20	46.09	101	46.8	7	7.09	32	2.2	12	18.39	32	49.5	13	53.36	54	32.0	10
30	47.10	98	47.5	12	7.41	32	3.4	16	18.71	33	48.2	13	53.90	53	31.0	6
Mai 10	48.08	91	48.7	18	7.73	31	5.0	19	19.04	31	46.9	14	54.43	52	30.4	3
20	48.99	81	50.5	23	8.04	30	6.9	23	19.35	31	45.5	14	54.95	50	30.1	0
30	49.80	70	52.8	28	8.34	28	9.2	25	19.66	29	44.1	13	55.45	48	30.1	3
Juni 9	50.50	56	55.6	30	8.62	24	11.7	27	19.95	26	42.8	13	55.93	43	30.4	8
19	51.06	40	58.6	34	8.86	22	14.4	28	20.21	22	41.5	11	56.36	38	31.2	10
29	51.46	25	62.0	35	9.08	17	17.2	27	20.43	20	40.4	10	56.74	32	32.2	14
Juli 9	51.71	7	65.5	36	9.25	13	19.9	28	20.63	17	39.4	9	57.06	25	33.6	15
19	51.78	9	69.1	37	9.38	8	22.7	26	20.80	11	38.5	7	57.31	18	35.1	18
29	51.69	26	72.8	35	9.46	4	25.3	25	20.91	7	37.8	5	57.49	9	36.9	19
Aug. 8	51.43	43	76.3	34	9.50	1	27.8	22	20.98	2	37.3	3	57.58	2	38.8	20
18	51.00	56	79.7	32	9.49	5	30.0	21	21.00	3	37.0	2	57.60	6	40.8	19
28	50.44	71	82.9	29	9.44	10	32.1	17	20.97	6	36.8	1	57.54	13	42.7	19
Sept. 7	49.73	83	85.8	25	9.34	13	33.8	14	20.91	10	36.7	1	57.41	19	44.6	17
17	48.90	92	88.3	22	9.21	15	35.2	11	20.81	12	36.8	1	57.22	25	46.3	14
27	47.98	100	90.5	17	9.06	18	36.3	8	20.69	15	36.9	3	56.97	28	47.7	11
Okt. 7	46.98	105	92.2	12	8.88	18	37.1	4	20.54	15	37.2	2	56.69	31	48.8	7
17	45.93	108	93.4	7	8.70	18	37.5	0	20.39	15	37.4	3	56.38	31	49.5	3
27	44.85	107	94.1	2	8.52	18	37.5	4	20.24	14	37.7	4	56.07	30	49.8	0
Nov. 6	43.78	105	94.3	5	8.34	16	37.1	8	20.10	13	38.1	3	55.77	27	49.8	6
16	42.73	99	93.8	10	8.18	13	36.3	11	19.97	10	38.4	3	55.50	23	49.2	9
26	41.74	89	92.8	16	8.05	11	35.2	14	19.87	7	38.7	4	55.27	19	48.3	14
Dez. 6	40.85	79	91.2	21	7.94	7	33.8	17	19.80	3	39.1	3	55.08	12	46.9	16
16	40.06	64	89.1	25	7.87	4	32.1	20	19.77	0	39.4	3	54.96	5	45.3	20
26	39.42	48	86.6	29	7.83	0	30.1	22	19.77	4	39.7	3	54.91	1	43.3	22
36	38.94		83.7		7.83		27.9		19.81		40.0		54.92		41.1	
Mittl. Ort	48.36		70.5		6.28		19.8		17.06		43.6		51.11		41.3	
sec δ, tg δ	4.602		+4.492		1.098		+0.454		1.026		—0.227		1.837		—1.540	

1914	765) γ Cygni. AR.		765) γ Cygni. Dekl. +		767) ϑ Cephei. AR.		767) ϑ Cephei. Dekl. +		768) ε Delphini. AR.		768) ε Delphini. Dekl. +		769) α Indi. AR.		769) α Indi. Dekl. −	
	$20^h 19^m$		39° 58′		$20^h 28^m$		62° 41′		$20^h 29^m$		11° 0′		$20^h 31^m$		47° 35′	
Jan. 0	6.78	1	49.8	27	5.27	15	79.4	30	5.20	2	31.7	15	30.27	4	45.9	18
10	6.77	3	47.1	28	5.12	6	76.4	32	5.22	6	30.2	16	30.31	10	44.1	19
20	6.80	9	44.3	32	5.06	3	73.2	37	5.28	11	28.6	17	30.41	16	42.2	22
30	6.89	13	41.1	27	5.09	11	69.5	32	5.39	13	26.9	14	30.57	20	40.0	21
Febr. 9	7.02	17	38.4	25	5.20	20	66.3	31	5.52	16	25.5	12	30.77	24	37.9	21
19	7.19	22	35.9	22	5.40	28	63.2	28	5.68	19	24.3	9	31.01	29	35.8	21
März 1	7.41	25	33.7	17	5.68	34	60.4	23	5.87	22	23.4	7	31.30	32	33.7	20
11	7.66	29	32.0	13	6.02	42	58.1	19	6.09	24	22.7	3	31.62	35	31.7	19
21	7.95	31	30.7	7	6.44	46	56.2	12	6.33	27	22.4	1	31.97	38	29.8	19
31	8.26	34	30.0	1	6.90	50	55.0	7	6.60	28	22.5	5	32.35	41	27.9	16
April 10	8.60	35	29.9	5	7.40	52	54.3	0	6.88	30	23.0	9	32.76	43	26.3	15
20	8.95	36	30.4	10	7.92	53	54.3	7	7.18	31	23.9	12	33.19	43	24.8	12
30	9.31	35	31.4	15	8.45	52	55.0	12	7.49	31	25.1	15	33.62	45	23.6	10
Mai 10	9.66	35	32.9	20	8.97	51	56.2	18	7.80	31	26.6	18	34.07	44	22.6	7
20	10.01	33	34.9	24	9.48	47	58.0	23	8.11	29	28.4	20	34.51	43	21.9	4
30	10.34	30	37.3	28	9.95	42	60.3	28	8.40	29	30.4	22	34.94	40	21.5	2
Juni 9	10.64	26	40.1	30	10.37	36	63.1	31	8.69	26	32.6	23	35.34	38	21.3	2
19	10.90	23	43.1	32	10.73	29	66.2	34	8.95	22	34.9	23	35.72	33	21.5	5
29	11.13	18	46.3	32	11.02	22	69.6	35	9.17	20	37.2	22	36.05	29	22.0	8
Juli 9	11.31	12	49.5	33	11.24	14	73.1	37	9.37	15	39.4	22	36.34	24	22.8	10
19	11.43	8	52.8	32	11.38	5	76.8	36	9.52	11	41.6	20	36.58	17	23.8	13
29	11.51	2	56.0	31	11.43	3	80.4	36	9.63	6	43.6	19	36.75	11	25.1	15
Aug. 8	11.53	3	59.1	29	11.40	12	84.0	35	9.69	2	45.5	17	36.86	4	26.6	15
18	11.50	9	62.0	26	11.28	19	87.5	32	9.71	2	47.2	15	36.90	2	28.1	16
28	11.41	12	64.6	23	11.09	26	90.7	29	9.69	6	48.7	12	36.88	8	29.7	15
Sept. 7	11.29	17	66.9	20	10.83	32	93.6	26	9.63	10	49.9	10	36.80	14	31.2	15
17	11.12	20	68.9	16	10.51	37	96.2	22	9.53	12	50.9	7	36.66	18	32.7	13
27	10.92	22	70.5	12	10.14	42	98.4	18	9.41	15	51.6	4	36.48	21	34.0	11
Okt. 7	10.70	24	71.7	7	9.72	44	100.2	12	9.26	15	52.0	2	36.27	23	35.1	8
17	10.46	23	72.4	3	9.28	45	101.4	7	9.11	16	52.2	0	36.04	24	35.9	5
27	10.23	23	72.7	2	8.83	46	102.1	2	8.95	15	52.2	3	35.80	23	36.4	1
Nov. 6	10.00	22	72.5	7	8.37	44	102.3	3	8.80	14	51.9	6	35.57	21	36.5	2
16	9.78	19	71.8	12	7.93	41	102.0	10	8.66	11	51.3	8	35.36	18	36.3	6
26	9.59	16	70.6	16	7.52	38	101.0	15	8.55	9	50.5	11	35.18	14	35.7	9
Dez. 6	9.43	13	69.0	20	7.14	32	99.5	20	8.46	6	49.4	12	35.04	10	34.8	11
16	9.30	8	67.0	23	6.82	25	97.5	25	8.40	3	48.2	14	34.94	4	33.7	15
26	9.22	4	64.7	26	6.57	19	95.0	28	8.37	1	46.8	15	34.90	1	32.2	17
36	9.18		62.1		6.38		92.2		8.38		45.3		34.91		30.5	
Mittl. Ort	8.48		51.1		8.45		77.1		6.27		37.0		31.34		31.8	
sec δ. tg δ	1.305		+0.838		2.180		+1.937		1.019		+0.195		1.483		−1.095	

1914	770) 73 Draconis.				771) β Delphini.				773) υ Capricorni.				774) α Delphini.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −		AR.		Dekl. +	
	$20^h 32^m$		74° 39′		$20^h 33^m$		14° 17′		$20^h 35^m$		18° 26′		$20^h 35^m$		15° 36′	
Jan. 0	33.57	36	39.9	29	29.87	2	38.6	17	8.50	4	41.9	0	37.50	2	24.6	17
10	33.21	22	37.0	32	29.89	6	36.9	17	8.54	7	41.9	2	37.52	5	22.9	18
20	32.99	6	33.8	37	29.95	10	35.2	19	8.61	12	41.7	3	37.57	9	21.1	20
30	32.93	10	30.1	33	30.05	12	33.3	16	8.73	15	41.4	4	37.66	12	19.1	16
Febr. 9	33.03	26	26.8	31	30.17	16	31.7	13	8.88	18	41.0	5	37.78	16	17.5	14
19	33.29	40	23.7	29	30.33	19	30.4	11	9.06	21	40.5	6	37.94	18	16.1	12
März 1	33.69	54	20.8	25	30.52	21	29.3	8	9.27	23	39.9	8	38.12	22	14.9	9
11	34.23	64	18.3	21	30.73	24	28.5	4	9.50	25	39.1	9	38.34	24	14.0	4
21	34.87	74	16.2	15	30.97	27	28.1	0	9.75	28	38.2	11	38.58	26	13.6	1
31	35.61	80	14.7	9	31.24	28	28.1	4	10.03	30	37.1	12	38.84	29	13.5	4
April 10	36.41	84	13.8	2	31.52	30	28.5	7	10.33	32	35.9	13	39.13	30	13.9	7
20	37.25	86	13.6	4	31.82	31	29.2	12	10.65	32	34.6	13	39.43	31	14.6	12
30	38.11	84	14.0	10	32.13	31	30.4	15	10.97	33	33.3	14	39.74	31	15.8	15
Mai 10	38.95	80	15.0	16	32.44	31	31.9	19	11.30	33	31.9	14	40.05	31	17.3	19
20	39.75	74	16.6	22	32.75	30	33.8	20	11.63	33	30.5	13	40.36	30	19.2	20
30	40.49	64	18.8	25	33.05	28	35.8	23	11.96	30	29.2	13	40.66	29	21.2	23
Juni 9	41.13	55	21.3	30	33.33	27	38.1	23	12.26	29	27.9	11	40.95	26	23.5	24
19	41.68	42	24.3	33	33.60	23	40.4	25	12.55	26	26.8	10	41.21	23	25.9	25
29	42.10	30	27.6	35	33.83	19	42.9	24	12.81	22	25.8	8	41.44	20	28.4	25
Juli 9	42.40	16	31.1	37	34.02	16	45.3	23	13.03	18	25.0	5	41.64	16	30.9	24
19	42.56	2	34.8	36	34.18	11	47.6	22	13.21	14	24.5	5	41.80	11	33.3	22
29	42.58	11	38.4	37	34.29	7	49.8	21	13.35	9	24.0	2	41.91	7	35.5	22
Aug. 8	42.47	26	42.1	36	34.36	2	51.9	18	13.44	4	23.8	0	41.98	2	37.7	19
18	42.21	38	45.7	33	34.38	3	53.7	17	13.48	0	23.8	1	42.00	2	39.6	17
28	41.83	50	49.0	32	34.35	6	55.4	14	13.48	5	23.9	3	41.98	6	41.3	15
Sept. 7	41.33	61	52.2	27	34.29	9	56.8	11	13.43	8	24.2	3	41.92	10	42.8	12
17	40.72	69	54.9	25	34.20	13	57.9	9	13.35	12	24.5	3	41.82	12	44.0	9
27	40.03	76	57.4	19	34.07	14	58.8	5	13.23	13	24.8	4	41.70	15	44.9	6
Okt. 7	39.27	82	59.3	15	33.93	16	59.3	3	13.10	15	25.2	4	41.55	16	45.5	4
17	38.45	84	60.8	10	33.77	16	59.6	0	12.95	15	25.6	4	41.39	16	45.9	0
27	37.61	86	61.8	4	33.61	15	59.6	2	12.80	15	26.0	4	41.23	16	45.9	3
Nov. 6	36.75	84	62.2	1	33.46	14	59.4	6	12.65	14	26.4	3	41.07	14	45.6	6
16	35.91	81	62.1	8	33.32	13	58.8	9	12.51	11	26.7	2	40.93	12	45.0	8
26	35.10	74	61.3	13	33.19	9	57.9	11	12.40	8	26.9	2	40.81	10	44.2	11
Dez. 6	34.36	66	60.0	19	33.10	7	56.8	13	12.32	5	27.1	1	40.71	7	43.1	13
16	33.70	56	58.1	23	33.03	3	55.5	15	12.27	2	27.2	0	40.64	4	41.8	16
26	33.14	44	55.8	27	33.00	0	54.0	16	12.25	2	27.2	0	40.60	0	40.2	17
36	32.70		53.1		33.00		52.4		12.27		27.2		40.60		38.5	
Mittl. Ort	39.38		36.2		30.97		43.1		9.36		31.8		38.62		28.7	
sec δ, tg δ	3.779		+3.645		1.032		+0.255		1.054		−0.333		1.038		+0.279	

1914	775) β Pavonis.				777) α Cygni.				780) ε Cygni.				781) ε Aquarii.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	$20^h 37^m$		66° 30′		$20^h 38^m$		44° 58′		$20^h 42^m$		33° 38′		$20^h 43^m$		9° 48′	
Jan. 0	11.66	0	63.2	26	28.13	5	22.0	27	42.41	2	50.7	24	0.44	3	49.0	4
10	11.66	8	60.6	29	28.08	1	19.3	29	42.39	2	48.3	25	0.47	6	49.4	3
20	11.74	20	57.7	33	28.07	6	16.4	33	42.41	7	45.8	28	0.53	11	49.7	3
30	11.94	28	54.4	30	28.13	10	13.1	28	42.48	11	43.0	25	0.64	13	50.0	1
Febr. 9	12.22	36	51.4	29	28.23	16	10.3	27	42.59	14	40.5	22	0.77	16	50.1	0
19	12.58	42	48.5	28	28.39	20	7.6	24	42.73	19	38.3	20	0.93	19	50.1	2
März 1	13.00	50	45.7	27	28.59	25	5.2	20	42.92	22	36.3	16	1.12	22	49.9	3
11	13.50	55	43.0	25	28.84	28	3.2	15	43.14	25	34.7	12	1.34	24	49.6	6
21	14.05	60	40.5	22	29.12	32	1.7	10	43.39	28	33.5	6	1.58	26	49.0	8
31	14.65	64	38.3	18	29.44	35	0.7	4	43.67	31	32.9	2	1.84	29	48.2	11
April 10	15.29	67	36.5	15	29.79	37	0.3	2	43.98	33	32.7	4	2.13	30	47.1	12
20	15.96	69	35.0	12	30.16	38	0.5	8	44.31	34	33.1	9	2.43	31	45.9	13
30	16.65	69	33.8	8	30.54	38	1.3	13	44.65	34	34.0	15	2.74	32	44.6	15
Mai 10	17.34	69	33.0	3	30.92	37	2.6	19	44.99	34	35.5	18	3.06	32	43.1	16
20	18.03	67	32.7	1	31.29	36	4.5	23	45.33	33	37.3	23	3.38	31	41.5	16
30	18.70	63	32.8	5	31.65	33	6.8	27	45.66	30	39.6	26	3.69	30	39.9	16
Juni 9	19.33	58	33.3	8	31.98	29	9.5	30	45.96	28	42.2	28	3.99	28	38.3	15
19	19.91	51	34.1	13	32.27	25	12.5	32	46.24	25	45.0	30	4.27	26	36.8	14
29	20.42	44	35.4	16	32.52	21	15.7	33	46.49	20	48.0	31	4.53	22	35.4	13
Juli 9	20.86	34	37.0	19	32.73	15	19.0	34	46.69	16	51.1	31	4.75	16	34.1	11
19	21.20	26	38.9	21	32.88	10	22.4	34	46.85	11	54.2	30	4.91	15	33.0	9
29	21.46	14	41.0	23	32.98	4	25.8	33	46.96	6	57.2	30	5.06	9	32.1	8
Aug. 8	21.60	4	43.3	24	33.02	2	29.1	32	47.02	1	60.2	28	5.15	5	31.3	6
18	21.64	6	45.7	23	33.00	7	32.3	29	47.03	4	63.0	25	5.20	0	30.7	3
28	21.58	17	48.0	23	32.93	13	35.2	26	46.99	8	65.5	23	5.20	4	30.4	3
Sept. 7	21.41	25	50.3	20	32.80	17	37.8	23	46.91	12	67.8	20	5.16	8	30.1	0
17	21.16	33	52.3	17	32.63	20	40.1	19	46.79	16	69.8	16	5.08	10	30.1	1
27	20.83	39	54.0	14	32.43	23	42.0	15	46.63	18	71.4	12	4.98	13	30.2	1
Okt. 7	20.44	43	55.4	10	32.20	25	43.5	11	46.45	19	72.6	9	4.85	14	30.3	3
17	20.01	45	56.4	5	31.95	26	44.6	5	46.26	21	73.5	4	4.71	15	30.6	3
27	19.56	44	56.9	0	31.69	26	45.1	1	46.05	20	73.9	1	4.56	14	30.9	4
Nov. 6	19.12	42	56.9	5	31.43	24	45.2	5	45.85	19	73.8	4	4.42	13	31.3	4
16	18.70	38	56.4	10	31.19	23	44.7	9	45.66	17	73.4	9	4.29	11	31.7	4
26	18.32	31	55.4	15	30.96	20	43.8	14	45.49	14	72.5	13	4.18	9	32.1	5
Dez. 6	18.01	24	53.9	19	30.76	16	42.4	19	45.35	12	71.2	17	4.09	5	32.6	5
16	17.77	15	52.0	23	30.60	12	40.5	23	45.23	8	69.5	21	4.04	2	33.1	4
26	17.62	6	49.7	26	30.48	7	38.2	25	45.15	4	67.4	22	4.02	1	33.5	4
36	17.56		47.1		30.41		35.7		45.11		65.2		4.03		33.9	
Mittl. Ort	13.38		47.6		29.98		21.0		43.86		51.2		1.30		40.4	
sec δ, tg δ	2.509		−2.301		1.413		+0.999		1.201		+0.666		1.015		−0.173	

1914	783) η Cephei.				784) λ Cygni.				785) β Indi.				786) 32 Vulpecul.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. —		AR.		Dekl. +	
	20h 43m		61° 29′		20h 44m		36° 10′		20h 48m		58° 46′		20h 50m		27° 43′	
	s		″		s		″		s		″		s		″	
Jan. 0	29.56	16	79.5	28	1.96	3	27.0	24	4.55	0	61.3	23	52.37	2	46.9	22
10	29.40	8	76.7	31	1.93	1	24.6	26	4.55	7	59.0	25	52.35	2	44.7	22
20	29.32	0	73.6	36	1.94	7	22.0	29	4.62	15	56.5	29	52.37	6	42.5	23
30	[28] 29.32	8	70.0	32	[28] 2.01	10	19.1	26	[29] 4.77	20	53.6	27	[30] 52.43	11	40.2	24
Febr. 9	29.40	17	66.8	30	2.11	14	16.5	24	4.97	27	50.9	27	52.54	14	37.8	21
19	29.57	24	63.8	28	2.25	19	14.1	21	5.24	32	48.2	27	52.68	17	35.7	17
März 1	29.81	32	61.0	24	2.44	22	12.0	17	5.56	38	45.5	25	52.85	21	34.0	14
11	30.13	37	58.6	20	2.66	26	10.3	12	5.94	42	43.0	24	53.06	24	32.6	10
21	30.50	43	56.6	13	2.92	29	9.1	8	6.36	46	40.6	22	53.30	26	31.6	5
31	30.93	47	55.3	8	3.21	31	8.3	2	6.82	49	38.4	20	53.56	30	31.1	1
April 10	31.40	50	54.5	1	3.52	33	8.1	3	7.31	53	36.4	17	53.86	31	31.0	5
20	31.90	52	54.4	4	3.85	35	8.4	9	7.84	54	34.7	13	54.17	32	31.5	9
30	32.42	52	54.8	11	4.20	35	9.3	14	8.38	55	33.4	11	54.49	33	32.4	14
Mai 10	32.94	50	55.9	17	4.55	34	10.7	18	8.93	55	32.3	7	54.82	33	33.8	19
20	33.44	47	57.6	22	4.89	34	12.5	22	9.48	54	31.6	3	55.15	32	35.7	21
30	33.91	43	59.8	27	5.23	31	14.7	26	10.02	51	31.3	1	55.47	30	37.8	25
Juni 9	34.34	38	62.5	30	5.54	28	17.3	29	10.53	48	31.4	5	55.77	28	40.3	27
19	34.72	31	65.5	34	5.82	25	20.2	30	11.01	43	31.9	9	56.05	25	43.0	28
29	35.03	25	68.9	35	6.07	20	23.2	32	11.44	37	32.8	12	56.30	21	45.8	29
Juli 9	35.28	16	72.4	37	6.27	16	26.4	31	11.81	30	34.0	15	56.51	16	48.7	29
19	35.44	9	76.1	37	6.43	11	29.5	32	12.11	23	35.5	17	56.67	13	51.6	29
29	35.53	1	79.8	36	6.54	6	32.7	30	12.34	15	37.2	20	56.80	7	54.5	27
Aug. 8	35.54	7	83.4	36	6.60	1	35.7	29	12.49	6	39.2	20	56.87	3	57.2	26
18	35.47	15	87.0	33	6.61	5	38.6	26	12.55	1	41.2	21	56.90	3	59.8	23
28	35.32	22	90.3	31	6.56	9	41.2	24	12.54	10	43.3	21	56.87	6	62.1	21
Sept. 7	35.10	28	93.4	27	6.47	13	43.6	21	12.44	17	45.4	19	56.81	10	64.2	18
17	34.82	33	96.1	24	6.34	16	45.7	17	12.27	23	47.3	17	56.71	13	66.0	14
27	34.49	37	98.5	20	6.18	18	47.4	13	12.04	27	49.0	14	56.58	17	67.4	11
Okt. 7	34.12	41	100.5	14	6.00	21	48.7	9	11.77	31	50.4	10	56.41	17	68.5	7
17	33.71	42	101.9	10	5.79	21	49.6	4	11.46	33	51.4	7	56.24	18	69.2	4
27	33.29	43	102.9	4	5.58	21	50.0	0	11.13	32	52.1	2	56.06	18	69.6	0
Nov. 6	32.86	42	103.3	2	5.37	20	50.0	4	10.81	31	52.3	2	55.88	17	69.6	5
16	32.44	40	103.1	7	5.17	18	49.6	9	10.50	27	52.1	7	55.71	15	69.1	8
26	32.04	36	102.4	13	4.99	16	48.7	13	10.23	23	51.4	12	55.56	13	68.3	12
Dez. 6	31.68	32	101.1	18	4.83	13	47.4	18	10.00	18	50.2	15	55.43	11	67.1	15
16	31.36	26	99.3	23	4.70	9	45.6	20	9.82	11	48.7	19	55.32	7	65.6	18
26	31.10	19	97.0	27	4.61	5	43.6	23	9.71	4	46.8	22	55.25	4	63.8	21
36	30.91		94.3		4.56		41.3		9.67		44.6		55.21		61.7	
Mittl. Ort	32.55		75.9		3.48		27.0		5.78		45.7		53.66		47.9	
sec δ, tg δ	2.096		+1.842		1.239		+0.731		1.929		−1.649		1.130		+0.526	

1914	788) ν Cygni. AR.		Dekl. +		790) ζ Microscopii. AR.		Dekl. −		793) 61 Cygni pr.*) AR.		Dekl. +		794) ν Aquarii. AR.		Dekl. −	
	$20^h\ 53^m$		$40°\ 49'$		$20^h\ 57^m$		$38°\ 57'$		$21^h\ 3^m$		$38°\ 19'$		$21^h\ 4^m$		$11°\ 43'$	
Jan. 0	56.33	5	69.3	25	27.62	2	78.4	12	0.92	4	35.0	24	53.90	1	22.4	3
10	56.28	1	66.8	27	27.64	5	77.2	14	0.88	0	32.6	24	53.91	5	22.7	1
20	56.27	— 4	64.1	28	27.69	10	75.8	16	0.88	4	30.2	26	53.96	7	22.8	1
30	56.31	9	61.3	30	27.79	16	74.2	19	0.92	10	27.6	28	54.03	12	22.9	0
Febr. 9	[31] 56.40	13	58.3	25	[1] 27.95	18	72.3	17	[2] 1.02	13	24.8	23	[2] 54.15	14	22.9	2
19	56.53	18	55.8	23	28.13	22	70.6	19	1.15	18	22.5	21	54.29	17	22.7	4
März 1	56.71	22	53.5	19	28.35	25	68.7	19	1.33	22	20.4	18	54.46	20	22.3	5
11	56.93	26	51.6	15	28.60	29	66.8	18	1.55	26	18.6	13	54.66	23	21.8	8
21	57.19	30	50.1	10	28.89	32	65.0	19	1.81	29	17.3	8	54.89	25	21.0	9
31	57.49	32	49.1	4	29.21	34	63.1	18	2.10	33	16.5	3	55.14	27	20.1	12
April 10	57.81	34	48.7	— 1	29.55	36	61.3	17	2.43	34	16.2	— 3	55.41	29	18.9	13
20	58.15	36	48.8	8	29.91	38	59.6	15	2.77	36	16.5	8	55.70	31	17.6	15
30	58.51	37	49.6	12	30.29	39	58.1	14	3.13	36	17.3	14	56.01	32	16.1	15
Mai 10	58.88	36	50.8	18	30.68	40	56.7	12	3.49	37	18.7	18	56.33	33	14.6	17
20	59.24	35	52.6	22	31.08	39	55.5	10	3.86	36	20.5	23	56.66	32	12.9	16
30	59.59	33	54.8	25	31.47	37	54.5	7	4.22	33	22.8	26	56.98	31	11.3	16
Juni 9	59.92	31	57.3	29	31.84	35	53.8	4	4.55	31	25.4	29	57.29	29	9.7	16
19	60.23	26	60.2	31	32.19	33	53.4	1	4.86	28	28.3	31	57.58	27	8.1	14
29	60.49	22	63.3	32	32.52	28	53.3	— 2	5.14	24	31.4	33	57.85	24	6.7	12
Juli 9	60.71	17	66.5	34	32.80	24	53.5	5	5.38	18	34.7	33	58.09	20	5.5	11
19	60.88	12	69.9	33	33.04	18	54.0	7	5.56	14	38.0	33	58.29	16	4.4	9
29	61.00	6	73.2	32	33.22	13	54.7	9	5.70	8	41.3	33	58.45	12	3.5	7
Aug. 8	61.06	1	76.4	30	33.35	7	55.6	11	5.78	4	44.6	31	58.57	6	2.8	5
18	61.07	— 4	79.4	29	33.42	2	56.7	12	5.82	— 2	47.7	29	58.63	3	2.3	3
28	61.03	9	82.3	26	33.44	— 4	57.9	12	5.80	7	50.6	26	58.66	— 2	2.0	1
Sept. 7	60.94	13	84.9	23	33.40	8	59.1	13	5.73	11	53.2	23	58.64	6	1.9	0
17	60.81	17	87.2	19	33.32	13	60.4	12	5.62	15	55.5	20	58.58	9	1.9	2
27	60.64	20	89.1	16	33.19	16	61.6	12	5.47	17	57.5	16	58.49	12	2.1	3
Okt. 7	60.44	22	90.7	11	33.03	19	62.8	9	5.30	19	59.1	12	58.37	13	2.4	3
17	60.22	22	91.8	6	32.84	19	63.7	7	5.11	20	60.3	7	58.24	14	2.7	4
27	60.00	23	92.4	2	32.65	19	64.4	4	4.91	21	61.0	2	58.10	14	3.1	4
Nov. 6	59.77	22	92.6	— 3	32.46	18	64.8	2	4.70	19	61.2	— 2	57.96	13	3.5	4
16	59.55	21	92.3	8	32.28	16	65.0	— 1	4.51	19	61.0	6	57.83	12	3.9	5
26	59.34	18	91.5	12	32.12	13	64.9	4	4.32	16	60.4	11	57.71	9	4.4	4
Dez. 6	59.16	15	90.3	17	31.99	10	64.5	7	4.16	13	59.3	15	57.62	7	4.8	3
16	59.01	12	88.6	21	31.89	5	63.8	10	4.03	10	57.8	19	57.55	4	5.1	4
26	58.89	7	86.5	24	31.84	2	62.8	11	3.93	6	55.9	21	57.51	0	5.5	3
36	58.82		84.1		31.82		61.7		3.87		53.8		57.51		5.8	
Mittl. Ort	57.98		67.7		28.44		64.9		2.46		33.4		54.68		13.8	
sec δ, tg δ	1.322		+0.864		1.286		−0.809		1.275		+0.790		1.021		−0.207	

*) Die jährliche Parallaxe ist bereits angebracht.

1914	795) Br. 2777.				797) ζ Cygni.				800) α Equulei.				803) α Cephei.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$21^h 7^m$		77° 46′		$21^h 9^m$		29° 52′		$21^h 11^m$		4° 53′		$21^h 16^m$		62° 12′	
Jan. 0	7.44	60	47.7	26	15.24	3	25.6	21	30.65	0	25.3	12	28.75	22	81.8	25
10	6.84	44	45.1	29	15.21	0	23.5	22	30.65	3	24.1	11	28.53	14	79.3	28
20	6.40	26	42.2	32	15.21	3	21.3	24	30.68	5	23.0	11	28.39	7	76.5	31
30	6.14	7	39.0	36	15.24	8	18.9	24	30.73	10	21.9	10	28.32	1	73.4	35
Febr. 9	6.07	15	35.4	32	15.32	12	16.5	22	30.83	13	20.9	8	28.33	10	69.9	32
19	6.22	34	32.2	30	15.44	15	14.3	18	30.96	15	20.1	6	28.43	19	66.7	29
März 1	6.56	52	29.2	28	15.59	20	12.5	16	31.11	18	19.5	3	28.62	26	63.8	26
11	7.08	68	26.4	24	15.79	22	10.9	11	31.29	22	19.2	0	28.88	34	61.2	22
21	7.76	82	24.0	19	16.01	26	9.8	7	31.51	24	19.2	3	29.22	40	59.0	17
31	8.58	93	22.1	13	16.27	29	9.1	2	31.75	26	19.5	6	29.62	45	57.3	12
April 10	9.51	99	20.8	7	16.56	30	8.9	3	32.01	28	20.1	10	30.07	50	56.1	5
20	10.50	105	20.1	1	16.86	33	9.2	8	32.29	30	21.1	12	30.57	52	55.6	1
30	11.55	105	20.0	5	17.19	33	10.0	13	32.59	31	22.3	15	31.09	53	55.7	7
Mai 10	12.60	102	20.5	12	17.52	34	11.3	17	32.90	32	23.8	18	31.62	53	56.4	13
20	13.62	97	21.7	17	17.86	33	13.0	21	33.22	31	25.6	19	32.15	51	57.7	18
30	14.59	88	23.4	22	18.19	32	15.1	24	33.53	30	27.5	20	32.66	47	59.5	23
Juni 9	15.47	77	25.6	26	18.51	29	17.5	27	33.83	29	29.5	21	33.13	44	61.8	28
19	16.24	64	28.2	30	18.80	27	20.2	28	34.12	26	31.6	21	33.57	38	64.6	31
29	16.88	49	31.2	34	19.07	23	23.0	30	34.38	23	33.7	21	33.95	31	67.7	34
Juli 9	17.37	33	34.6	35	19.30	19	26.0	30	34.61	19	35.8	19	34.26	24	71.1	36
19	17.70	17	38.1	37	19.49	14	29.0	29	34.80	15	37.7	18	34.50	16	74.7	37
29	17.87	0	41.8	38	19.63	9	31.9	29	34.95	11	39.5	17	34.66	7	78.4	37
Aug. 8	17.87	18	45.6	37	19.72	4	34.8	27	35.06	7	41.2	15	34.73	0	82.1	36
18	17.69	33	49.3	36	19.76	0	37.5	25	35.13	2	42.7	12	34.73	8	85.7	35
28	17.36	49	52.9	34	19.76	5	40.0	22	35.15	2	43.9	11	34.65	16	89.2	33
Sept. 7	16.87	63	56.3	32	19.71	9	42.2	20	35.13	6	45.0	8	34.49	22	92.5	31
17	16.24	75	59.5	29	19.62	12	44.2	16	35.07	8	45.8	6	34.27	29	95.6	27
27	15.49	86	62.4	24	19.50	15	45.8	13	34.99	12	46.4	3	33.98	34	98.3	23
Okt. 7	14.63	95	64.8	21	19.35	17	47.1	10	34.87	13	46.7	2	33.64	37	100.6	19
17	13.68	101	66.9	15	19.18	18	48.1	5	34.74	14	46.9	1	33.27	41	102.5	14
27	12.67	105	68.4	10	19.00	18	48.6	2	34.60	14	46.8	2	32.86	42	103.9	8
Nov. 6	11.62	106	69.4	4	18.82	18	48.8	3	34.46	13	46.6	4	32.44	41	104.7	3
16	10.56	104	69.8	1	18.64	16	48.5	7	34.33	12	46.2	6	32.03	41	105.0	3
26	9.52	99	69.7	7	18.48	14	47.8	10	34.21	10	45.6	8	31.62	39	104.7	9
Dez. 6	8.53	92	69.0	13	18.34	12	46.8	14	34.11	8	44.8	9	31.23	35	103.8	14
16	7.61	81	67.7	19	18.22	9	45.4	18	34.03	4	43.9	10	30.88	31	102.4	20
26	6.80	69	65.8	24	18.13	5	43.6	20	33.99	3	42.9	11	30.57	24	100.4	24
36	6.11		63.4		18.08		41.6		33.96		41.8		30.33		98.0	
Mittl. Ort	14.46		40.3		16.52		25.0		31.52		30.0		31.67		75.2	
sec δ, tg δ	4.723		+4.615		1.153		+0.574		1.004		+0.086		2.145		+1.898	

1914	804) ι Pegasi. AR.	Δ	Dekl. +	Δ	805) γ Pavonis. AR.	Δ	Dekl. —	Δ	806) ζ Capricorni. AR.	Δ	Dekl. —	Δ	808) β Aquarii. AR.	Δ	Dekl. —	Δ
	$21^h\ 18^m$		$19°\ 25'$		$21^h\ 19^m$		$65°\ 45'$		$21^h\ 21^m$		$22°\ 46'$		$21^h\ 27^m$		$5°\ 56'$	
Jan. 0	5.49		68.3		19.63		39.3		44.92		74.8		1.24		67.0	
10	5.47	2 —	66.6	17	19.53	10	36.7	26	44.92	0	74.4	4	1.23	1 —	67.5	5
20	5.48	1	64.8	18	19.51	2 —	34.0	27	44.95	3	73.9	5	1.25	2	68.0	5
30	5.51	3	63.0	18	19.57	6	31.0	30	45.01	6	73.3	6	1.30	5	68.4	4
Febr. 9	(6) 5.60	9	61.1	19	(6) 19.74	17	27.6	34	(7) 45.12	11	72.5	8	(8) 1.39	9	68.7	3
19	5.71	11	59.5	16	19.98	24	24.4	32	45.25	13	71.6	9	1.50	11	68.8	1 —
März 1	5.85	14	58.2	13	20.29	31	21.3	31	45.41	16	70.5	11	1.65	15	68.7	1
11	6.03	18	57.1	11	20.68	39	18.2	31	45.61	20	69.3	12	1.82	17	68.4	3
21	6.24	21	56.4	7	21.13	45	15.3	29	45.83	22	67.9	14	2.03	21	67.9	5
31	6.48	24	56.1	3 —	21.64	51	12.6	27	46.08	25	66.5	14	2.26	23	67.1	8
April 10	6.75	27	56.2	1	22.20	56	10.1	25	46.36	28	64.9	16	2.51	25	66.1	10
20	7.04	29	56.7	5	22.80	60	8.0	21	46.66	30	63.3	16	2.80	29	64.9	12
30	7.34	30	57.7	10	23.44	64	6.2	18	46.98	32	61.6	17	3.09	29	63.4	15
Mai 10	7.66	32	59.1	14	24.10	66	4.8	14	47.31	33	59.9	17	3.40	31	61.8	16
20	7.98	32	60.8	17	24.77	67	3.9	9	47.66	35	58.3	16	3.72	32	60.0	18
30	8.30	32	62.9	21	25.43	66	3.3	6	48.00	34	56.8	15	4.04	32	58.2	18
Juni 9	8.61	31	65.1	22	26.07	64	3.2	1 —	48.33	33	55.4	14	4.36	32	56.4	18
19	8.90	29	67.6	25	26.68	61	3.5	3	48.65	32	54.2	12	4.65	29	54.6	18
29	9.17	27	70.1	25	27.24	56	4.3	8	48.95	30	53.1	11	4.93	28	52.9	17
Juli 9	9.40	23	72.8	27	27.73	49	5.5	12	49.22	27	52.4	7	5.18	25	51.2	17
19	9.60	20	75.4	26	28.15	42	7.0	15	49.44	22	51.8	6	5.39	21	49.8	14
29	9.75	15	77.9	25	28.48	33	8.9	19	49.63	19	51.5	3	5.56	17	48.5	13
Aug. 8	9.85	10	80.3	24	28.71	23	11.0	21	49.77	14	51.4	1 —	5.70	14	47.4	11
18	9.92	7	82.6	23	28.84	13	13.3	23	49.86	9	51.5	1	5.78	8	46.5	9
28	9.93	1 —	84.6	20	28.86	2 —	15.7	24	49.90	4 —	51.9	4	5.82	4	45.8	7
Sept. 7	9.91	2	86.4	18	28.79	7	18.1	24	49.89	1	52.4	5	5.82	0	45.4	4
17	9.85	6	88.0	16	28.62	17	20.4	23	49.85	4	53.0	6	5.78	4	45.1	3
27	9.75	10	89.2	12	28.37	25	22.4	20	49.76	9	53.6	6	5.71	7	45.0	1 —
Okt. 7	9.63	12	90.2	10	28.04	33	24.2	18	49.65	11	54.3	7	5.61	10	45.1	1
17	9.49	14	90.9	7	27.66	38	25.6	14	49.52	13	55.0	7	5.49	12	45.3	2
27	9.33	16	91.2	3	27.25	41	26.6	10	49.37	15	55.7	7	5.36	13	45.6	3
Nov. 6	9.18	15	91.2	0	26.82	43	27.1	5	49.22	15	56.2	5	5.22	14	46.0	4
16	9.03	15	90.9	3	26.40	42	27.1	0	49.08	14	56.7	5	5.10	12	46.4	4
26	8.89	14	90.3	6	26.00	40	26.6	5	48.95	13	57.0	3	4.98	12	47.0	6
Dez. 6	8.77	12	89.4	9	25.65	35	25.6	10	48.84	11	57.1	1	4.88	10	47.5	5
16	8.68	9	88.2	12	25.35	30	24.0	16	48.76	8	57.2	1 —	4.80	8	48.1	6
26	8.60	8	86.8	14	25.12	23	22.0	20	48.71	5	57.1	1	4.74	6	48.6	5
36	8.56	4	85.2	16	24.97	15	19.7	23	48.68	3	56.8	3	4.72	2	49.2	6
Mittl. Ort	6.53		69.5		20.80		22.2		45.58		64.1		1.96		60.2	
sec δ, tg δ	1.060		+0.353		2.435		—2.220		1.085		—0.420		1.005		—0.104	

1914	809) β Cephei. AR.		Dekl. +		810) ν Octantis. AR.		Dekl. −		811) 74 Cygni. AR.		Dekl. +		815) ε Pegasi. AR.		Dekl. +	
	21h 27m		70° 10′		21h 31m		77° 46′		21h 33m		40° 1′		21h 39m		9° 28′	
Jan. 0	29.26s	37	67.6″	25	55.24s	36	40.3″	29	28.57s	8	40.6″	22	56.91s	3	46.1″	12
10	28.89	28	65.1	28	54.88	19	37.4	31	28.49	5	38.4	24	56.88	0	44.9	12
20	28.61	17	62.3	30	54.69	3	34.3	34	28.44	1	36.0	26	56.88	3	43.7	13
30	28.44	5	59.3	36	54.66	— 14	30.9	35	28.43	— 3	33.4	26	56.91	6	42.4	11
Febr. 9	[8] 28.39	— 7	55.7	32	[9] 54.80	35	27.4	40	[10] 28.46	9	30.8	28	[11] 56.97	10	41.3	12
19	28.46	19	52.5	31	55.15	49	23.4	36	28.55	13	28.0	23	57.07	12	40.1	8
März 1	28.65	31	49.4	28	55.64	63	19.8	33	28.68	18	25.7	20	57.19	16	39.3	5
11	28.96	41	46.6	24	56.27	76	16.5	32	28.86	22	23.7	16	57.35	19	38.8	2
21	29.37	50	44.2	20	57.03	88	13.3	30	29.08	26	22.1	12	57.54	22	38.6	0
31	29.87	58	42.2	14	57.91	99	10.3	26	29.34	29	20.9	7	57.76	24	38.6	5
April 10	30.45	63	40.8	9	58.90	107	7.7	22	29.63	33	20.2	1	58.00	27	39.1	8
20	31.08	68	39.9	2	59.97	113	5.5	19	29.96	35	20.1	— 4	58.27	30	39.9	11
30	31.76	70	39.7	— 5	61.10	118	3.6	14	30.31	36	20.5	9	58.57	30	41.0	15
Mai 10	32.46	69	40.2	10	62.28	119	2.2	9	30.67	37	21.4	15	58.87	32	42.5	17
20	33.15	67	41.2	16	63.47	118	1.3	4	31.04	36	22.9	19	59.19	32	44.2	19
30	33.82	63	42.8	21	64.65	116	0.9	— 1	31.40	35	24.8	23	59.51	31	46.1	21
Juni 9	34.45	56	44.9	26	65.81	109	1.0	5	31.75	33	27.1	26	59.82	30	48.2	23
19	35.01	50	47.5	30	66.90	101	1.5	11	32.08	30	29.7	30	60.12	28	50.5	22
29	35.51	40	50.5	33	67.91	89	2.6	15	32.38	27	32.7	31	60.40	25	52.7	23
Juli 9	35.91	31	53.8	35	68.80	76	4.1	19	32.65	22	35.8	32	60.65	21	55.0	22
19	36.22	21	57.3	37	69.56	60	6.0	22	32.87	17	39.0	33	60.86	18	57.2	21
29	36.43	10	61.0	38	70.16	42	8.2	26	33.04	12	42.3	33	61.04	13	59.3	20
Aug. 8	36.53	— 1	64.8	37	70.58	23	10.8	27	33.16	6	45.6	31	61.17	10	61.3	18
18	36.52	11	68.5	37	70.81	4	13.5	27	33.22	1	48.7	30	61.27	4	63.1	15
28	36.41	22	72.2	35	70.85	— 16	16.2	28	33.23	— 3	51.7	28	61.31	1	64.6	14
Sept. 7	36.19	31	75.7	33	70.69	34	19.0	26	33.20	9	54.5	25	61.32	— 4	66.0	11
17	35.88	39	79.0	29	70.35	51	21.6	24	33.11	12	57.0	22	61.28	7	67.1	9
27	35.49	46	81.9	26	69.84	65	24.0	20	32.99	16	59.2	18	61.21	9	68.0	6
Okt. 7	35.03	52	84.5	22	69.19	77	26.0	17	32.83	18	61.0	15	61.12	12	68.6	4
17	34.51	58	86.7	17	68.42	86	27.7	11	32.65	20	62.5	10	61.00	13	69.0	1
27	33.93	60	88.4	12	67.56	90	28.8	6	32.45	21	63.5	6	60.87	13	69.1	— 1
Nov. 6	33.33	61	89.6	6	66.66	91	29.4	0	32.24	21	64.1	1	60.74	14	69.0	3
16	32.72	60	90.2	0	65.75	88	29.4	6	32.03	20	64.2	— 4	60.60	12	68.7	5
26	32.12	58	90.2	6	64.87	82	28.8	12	31.83	19	63.8	8	60.48	11	68.2	7
Dez. 6	31.54	55	89.6	11	64.05	72	27.6	17	31.64	16	63.0	13	60.37	9	67.5	9
16	30.99	48	88.5	17	63.33	59	25.9	23	31.48	14	61.7	16	60.28	7	66.6	11
26	30.51	41	86.8	23	62.74	45	23.6	27	31.34	11	60.1	21	60.21	5	65.5	11
36	30.10		84.5		62.29		20.9		31.23		58.0		60.16		64.4	
Mittl. Ort	33.35		58.9		57.27		22.2		30.04		36.2		57.72		48.6	
sec δ, tg δ	2.949		+2.774		4.720		−4.612		1.306		+0.840		1.014		+0.167	

1914	819) δ Capricorni. AR.		Dekl. −		821) π² Cygni. AR.		Dekl. +		822) γ Gruis. AR.		Dekl. −		823) 16 Pegasi. AR.		Dekl. +	
	21h 42m		16° 30′		21h 43m		48° 54′		21h 48m		37° 45′		21h 49m		25° 30′	
Jan. 0	17.17	2	74.1	0	35.11	14	47.2	23	42.99	4	85.3	11	7.87	6	74.3	17
10	17.15	1	74.1	1	34.97	9	44.9	25	42.95	0	84.2	12	7.81	3	72.6	19
20	17.16	4	74.0	3	34.88	5	42.4	28	42.95	3	83.0	15	7.78	0	70.7	20
30	17.20	7	73.7	4	34.83	1	39.6	28	42.98	7	81.5	17	7.78	3	68.7	19
Febr. 9	17.27	11	73.3	6	34.84	7	36.8	31	43.05	12	79.8	21	7.81	8	66.8	21
19	17.38	14	72.7	7	34.91	12	33.7	26	43.17	15	77.7	20	7.89	11	64.7	17
März 1	17.52	17	72.0	10	35.03	17	31.1	24	43.32	19	75.7	21	8.00	15	63.0	14
11	17.69	19	71.0	11	35.20	23	28.7	20	43.51	22	73.6	22	8.15	19	61.6	10
21	17.88	23	69.9	13	35.43	28	26.7	15	43.73	26	71.4	22	8.34	22	60.6	7
31	18.11	26	68.6	14	35.71	32	25.2	11	43.99	29	69.2	22	8.56	26	59.9	2
April 10	18.37	28	67.2	16	36.03	36	24.1	5	44.28	33	67.0	22	8.82	28	59.7	2
20	18.65	30	65.6	17	36.39	39	23.6	1	44.61	35	64.8	20	9.10	30	59.9	7
30	18.95	32	63.9	17	36.78	40	23.7	7	44.96	37	62.8	19	9.40	33	60.6	12
Mai 10	19.27	33	62.2	18	37.18	41	24.4	12	45.33	38	60.9	17	9.73	33	61.8	15
20	19.60	33	60.4	18	37.59	41	25.6	18	45.71	38	59.2	15	10.06	33	63.3	19
30	19.93	33	58.6	16	38.00	40	27.4	22	46.09	39	57.7	12	10.39	33	65.2	22
Juni 9	20.26	32	57.0	15	38.40	37	29.6	26	46.48	37	56.5	9	10.72	31	67.4	25
19	20.58	30	55.5	14	38.77	34	32.2	29	46.85	35	55.6	6	11.03	29	69.9	26
29	20.88	27	54.1	12	39.11	29	35.1	32	47.20	32	55.0	3	11.32	26	72.5	28
Juli 9	21.15	24	52.9	10	39.40	24	38.3	33	47.52	28	54.7	1	11.58	23	75.3	28
19	21.39	19	51.9	7	39.64	20	41.6	35	47.80	24	54.8	4	11.81	18	78.1	28
29	21.58	15	51.2	5	39.84	13	45.1	35	48.04	19	55.2	6	11.99	14	80.9	27
Aug. 8	21.73	11	50.7	3	39.97	7	48.6	35	48.23	13	55.8	10	12.13	9	83.6	26
18	21.84	6	50.4	0	40.04	1	52.1	33	48.36	7	56.8	11	12.22	5	86.2	24
28	21.90	1	50.4	1	40.05	4	55.4	31	48.43	2	57.9	13	12.27	0	88.6	22
Sept. 7	21.91	1	50.5	3	40.01	10	58.5	29	48.45	3	59.2	14	12.27	4	90.8	20
17	21.90	7	50.8	5	39.91	14	61.4	26	48.42	8	60.6	14	12.23	7	92.8	16
27	21.83	10	51.3	5	39.77	18	64.0	22	48.34	12	62.0	14	12.16	11	94.4	14
Okt. 7	21.73	11	51.8	6	39.59	22	66.2	18	48.22	14	63.4	13	12.05	13	95.8	11
17	21.62	13	52.4	6	39.37	24	68.0	14	48.08	17	64.7	10	11.92	15	96.9	7
27	21.49	14	53.0	6	39.13	25	69.4	9	47.91	18	65.7	9	11.77	15	97.6	3
Nov. 6	21.35	13	53.6	5	38.88	26	70.3	4	47.73	18	66.6	6	11.62	16	97.9	0
16	21.22	12	54.1	4	38.62	25	70.7	1	47.55	17	67.2	3	11.46	15	97.9	4
26	21.10	11	54.5	4	38.37	24	70.6	7	47.38	15	67.5	0	11.31	13	97.5	7
Dez. 6	20.99	9	54.9	3	38.13	22	69.9	11	47.23	13	67.5	3	11.18	12	96.8	11
16	20.90	6	55.2	2	37.91	19	68.8	16	47.10	9	67.2	6	11.06	11	95.7	14
26	20.84	4	55.4	1	37.72	16	67.2	21	47.01	7	66.6	9	10.95	7	94.3	15
36	20.80		55.5		37.56		65.1		46.94		65.7		10.88		92.8	
Mittl. Ort	17.76		65.0		36.88		40.2		43.50		71.5		8.89		72.2	
sec δ, tg δ	1.043		−0.296		1.521		+1.147		1.265		−0.775		1.108		+0.477	

1914	827) α Aquarii.				828) ι Aquarii.				830) 20 Cephei.				829) α Gruis.			
	AR.		Dekl. −		AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. −	
	$22^h 1^m$		$0° 43'$		$22^h 1^m$		$14° 16'$		$22^h 2^m$		$62° 21'$		$22^h 2^m$		$47° 22'$	
Jan. 0	21.43		81.6		47.15		82.5		21.01		67.6		48.70		56.8	
10	21.40	3	82.3	7	47.12	3	82.6	1	20.73	28	65.5	21	48.61	9	55.3	15
20	21.39	1	83.0	7	47.11	1	82.6	0	20.52	21	63.0	25	48.57	4	53.6	17
30	21.40	1	83.6	6	47.12	1	82.4	2	20.36	16	60.2	28	48.58	1	51.6	20
Febr. 9	21.45	5	84.1	5	47.17	5	82.2	2	20.29	7	57.2	30	48.63	5	49.3	23
19	(17) 21.53	8	84.5	4	(17) 47.26	9	81.7	5	(17) 20.30	1	53.8	34	(17) 48.73	10	46.7	26
März 1	21.63	10	84.7	2	47.37	11	81.0	7	20.39	9	50.8	30	48.88	15	44.1	26
11	21.77	14	84.6	1	47.52	15	80.1	9	20.57	18	48.0	28	49.07	19	41.5	26
21	21.94	17	84.3	3	47.69	17	79.1	10	20.83	26	45.5	25	49.30	23	38.9	26
31	22.14	20	83.7	6	47.90	21	77.8	13	21.16	33	43.5	20	49.58	28	36.2	27
April 10	22.37	23	82.9	8	48.14	24	76.4	14	21.56	40	41.9	16	49.89	31	33.7	25
20	22.63	26	81.7	12	48.41	27	74.8	16	22.02	46	40.8	11	50.24	35	31.2	25
30	22.92	29	80.3	14	48.70	29	73.0	18	22.52	50	40.4	4	50.63	39	29.0	22
Mai 10	23.22	30	78.7	16	49.01	31	71.2	18	23.05	53	40.6	2	51.04	41	26.9	21
20	23.53	31	77.0	17	49.33	32	69.4	18	23.59	54	41.3	7	51.46	42	25.2	17
30	23.85	32	75.1	19	49.66	33	67.5	19	24.13	54	42.7	14	51.90	44	23.7	15
Juni 9	24.17	32	73.1	20	49.99	33	65.7	18	24.66	53	44.5	18	52.34	44	22.6	11
19	24.48	31	71.0	21	50.31	32	64.0	17	25.15	49	46.9	24	52.76	42	21.8	8
29	24.77	29	69.1	19	50.61	30	62.5	15	25.60	45	49.6	27	53.16	40	21.5	3
Juli 9	25.04	27	67.1	20	50.89	28	61.1	14	25.99	39	52.8	32	53.53	37	21.5	0
19	25.27	23	65.3	18	51.14	25	59.9	12	26.32	33	56.2	34	53.86	33	22.0	5
29	25.47	20	63.7	16	51.35	21	58.9	10	26.58	26	59.7	35	54.14	28	22.7	7
Aug. 8	25.63	16	62.2	15	51.52	17	58.3	6	26.76	18	63.4	37	54.37	23	23.9	12
18	25.75	12	61.0	12	51.64	12	57.8	5	26.86	10	67.1	37	54.53	16	25.3	14
28	25.82	7	60.0	10	51.72	8	57.6	2	26.88	2	70.8	37	54.62	9	26.9	16
Sept. 7	25.85	3	59.2	8	51.75	3	57.6	0	26.82	6	74.3	35	54.66	4	28.7	18
17	25.84	1	58.6	6	51.75	0	57.8	2	26.69	13	77.7	34	54.63	3	30.5	18
27	25.79	5	58.2	4	51.70	5	58.1	3	26.49	20	80.8	31	54.55	8	32.4	19
Okt. 7	25.72	7	58.0	2	51.63	7	58.6	5	26.24	25	83.6	28	54.42	13	34.1	17
17	25.62	10	58.0	0	51.52	11	59.1	5	25.93	31	86.0	24	54.24	18	35.7	16
27	25.51	11	58.2	2	51.41	11	59.7	6	25.59	34	88.0	20	54.05	19	37.1	14
Nov. 6	25.38	13	58.5	3	51.28	13	60.3	6	25.21	38	89.5	15	53.83	22	38.1	10
16	25.26	12	58.9	4	51.15	13	60.9	6	24.82	39	90.4	9	53.61	22	38.8	7
26	25.14	12	59.4	5	51.02	13	61.4	5	24.42	40	90.7	3	53.39	22	39.2	4
Dez. 6	25.03	11	60.0	6	50.92	10	61.9	5	24.03	39	90.5	2	53.20	19	39.1	1
16	24.94	9	60.7	7	50.82	10	62.3	4	23.65	38	89.7	8	53.02	18	38.6	5
26	24.87	7	61.4	7	50.75	7	62.6	3	23.31	34	88.4	13	52.88	14	37.7	9
36	24.82	5	62.1	7	50.70	5	62.8	2	23.01	30	86.5	19	52.77	11	36.5	12
Mittl. Ort	22.04		77.2		47.66		74.4		23.62		56.8		49.12		41.2	
sec δ, tg δ	1.000		−0.013		1.032		−0.255		2.156		+1.910		1.477		−1.086	

1914	834) ϑ Pegasi. AR.		Dekl. +		835) π Pegasi. AR.		Dekl. +	
	22h 5m		5° 46′		22h 6m		32° 45′	
Jan. 0	51.05	4	25.1	10	8.89	10	25.9	18
10	51.01	2	24.1	10	8.79	6	24.1	20
20	50.99	1	23.1	9	8.73	2	22.1	21
30	51.00	4	22.2	9	8.71	1	20.0	22
Febr. 9	51.04	7	21.3	8	8.72	5	17.8	24
	18				18			
19	51.11	9	20.5	6	8.77	9	15.4	20
März 1	51.20	14	19.9	3	8.86	13	13.4	18
11	51.34	17	19.6	1	8.99	18	11.6	14
21	51.51	19	19.5	3	9.17	22	10.2	11
31	51.70	23	19.8	6	9.39	25	9.1	6
April 10	51.93	26	20.4	9	9.64	28	8.5	1
20	52.19	28	21.3	12	9.92	32	8.4	4
30	52.47	30	22.5	15	10.24	33	8.8	8
Mai 10	52.77	31	24.0	17	10.57	35	9.6	13
20	53.08	33	25.7	19	10.92	35	10.9	18
30	53.41	32	27.6	21	11.27	35	12.7	21
Juni 9	53.73	30	29.7	21	11.62	33	14.8	24
19	54.03	30	31.8	22	11.95	32	17.2	27
29	54.33	27	34.0	21	12.27	28	19.9	29
Juli 9	54.60	23	36.1	21	12.55	24	22.8	30
19	54.83	21	38.2	20	12.79	21	25.8	30
29	55.04	16	40.2	18	13.00	15	28.8	30
Aug. 8	55.20	12	42.0	16	13.15	11	31.8	29
18	55.32	7	43.6	14	13.26	7	34.7	28
28	55.39	3	45.0	12	13.33	1	37.5	26
Sept. 7	55.42	1	46.2	10	13.34	3	40.1	23
17	55.41	4	47.2	7	13.31	7	42.4	21
27	55.37	8	47.9	5	13.24	10	44.5	18
Okt. 7	55.29	9	48.4	3	13.14	13	46.3	14
17	55.20	11	48.7	1	13.01	15	47.7	11
27	55.09	12	48.8	1	12.86	16	48.8	6
Nov. 6	54.97	13	48.7	3	12.70	17	49.4	3
16	54.84	12	48.4	5	12.53	17	49.7	1
26	54.72	11	47.9	7	12.36	16	49.6	6
Dez. 6	54.61	9	47.2	7	12.20	15	49.0	10
16	54.52	8	46.5	9	12.05	12	48.0	13
26	54.44	6	45.6	9	11.93	11	46.7	16
36	54.38		44.7		11.82		45.1	
Mittl. Ort	51.71		27.5		9.98		20.9	
sec δ, tg δ	1.005		+0.101		1.189		+0.643	

1914	836) ζ Cephei. AR.		Dekl. +		837) 24 Cephei. AR.		Dekl. +	
	22h 7m		57° 46′		22h 8m		71° 54′	
Jan. 0	49.95	23	47.6	20	5.38	49	75.2	20
10	49.72	18	45.6	25	4.89	40	73.2	24
20	49.54	12	43.1	27	4.49	30	70.8	28
30	49.42	6	40.4	28	4.19	18	68.0	31
Febr. 9	49.36	1	37.6	33	4.01	6	64.9	34
	18				18			
19	49.37	8	34.3	29	3.95	8	61.5	32
März 1	49.45	15	31.4	27	4.03	22	58.3	30
11	49.60	23	28.7	24	4.25	33	55.3	27
21	49.83	29	26.3	20	4.58	45	52.6	23
31	50.12	36	24.3	15	5.03	55	50.3	18
April 10	50.48	40	22.8	10	5.58	64	48.5	13
20	50.88	44	21.8	4	6.22	70	47.2	8
30	51.32	48	21.4	2	6.92	73	46.4	1
Mai 10	51.80	48	21.6	8	7.65	76	46.3	4
20	52.28	49	22.4	14	8.41	76	46.7	11
30	52.77	47	23.8	19	9.17	73	47.8	17
Juni 9	53.24	45	25.7	23	9.90	68	49.5	21
19	53.69	41	28.0	28	10.58	62	51.6	27
29	54.10	37	30.8	30	11.20	54	54.3	30
Juli 9	54.47	31	33.8	34	11.74	45	57.3	33
19	54.78	25	37.2	35	12.19	34	60.6	36
29	55.03	19	40.7	36	12.53	24	64.2	36
Aug. 8	55.22	11	44.3	37	12.77	12	67.8	39
18	55.33	4	48.0	36	12.89	0	71.7	38
28	55.37	3	51.6	35	12.89	10	75.5	37
Sept. 7	55.34	9	55.1	32	12.79	22	79.2	35
17	55.25	15	58.3	31	12.57	31	82.7	34
27	55.10	21	61.4	27	12.26	40	86.1	30
Okt. 7	54.89	24	64.1	23	11.86	47	89.1	27
17	54.65	29	66.4	19	11.39	54	91.8	23
27	54.36	30	68.3	14	10.85	60	94.1	17
Nov. 6	54.06	33	69.7	9	10.25	63	95.8	12
16	53.73	33	70.6	3	9.62	64	97.0	7
26	53.40	32	70.9	2	8.98	64	97.7	0
Dez. 6	53.08	31	70.7	8	8.34	62	97.7	5
16	52.77	29	69.9	13	7.72	58	97.2	12
26	52.48	25	68.6	18	7.14	53	96.0	17
36	52.23		66.8		6.61		94.3	
Mittl. Ort	52.11		37.2		9.42		62.6	
sec δ, tg δ	1.875		+1.586		3.221		+3.062	

1914	840) ϑ Aquarii. AR.	Diff.	Dekl. —	Diff.	841) α Tucanae. AR.	Diff.	Dekl. —	Diff.	842) γ Aquarii. AR.	Diff.	Dekl. —	Diff.	844) 3 Lacertae. AR.	Diff.	Dekl. +	Diff.
	22h 12m		8° 12′		22h 12m		60° 40′		22h 17m		1° 48′		22h 20m		51° 47′	
Jan. 0	17.32	5	49.1	4	36.79	16	97.2	20	12.37	5	80.3	6	8.83	18	62.4	19
10	17.27	2	49.5	3	36.63	11	95.2	23	12.32	2	80.9	7	8.65	15	60.5	23
20	17.25	— 1	49.8	2	36.52	5	92.9	26	12.30	0	81.6	5	8.50	11	58.2	25
30	17.26	4	50.0	1	36.47	— 2	90.3	28	12.30	3	82.1	4	8.39	5	55.7	28
Febr. 9	17.30	6	50.1	— 2	36.49	8	87.5	32	12.33	6	82.5	3	8.34	0	52.9	28
19	17.36	11	49.9	3	36.57	17	84.3	34	12.39	10	82.8	1	8.34	7	50.1	30
März 1	[20] 17.47	13	49.6	5	[20] 36.74	22	80.9	32	[21] 12.49	12	82.9	— 2	[22] 8.41	13	47.1	25
11	17.60	16	49.1	8	36.96	28	77.7	32	12.61	15	82.7	4	8.54	19	44.6	23
21	17.76	20	48.3	9	37.24	34	74.5	31	12.76	19	82.3	6	8.73	25	42.3	19
31	17.96	23	47.4	12	37.58	39	71.4	29	12.95	22	81.7	9	8.98	30	40.4	14
April 10	18.19	25	46.2	15	37.97	45	68.5	27	13.17	25	80.8	12	9.28	35	39.0	9
20	18.44	28	44.7	16	38.42	48	65.8	24	13.42	28	79.6	15	9.63	39	38.1	3
30	18.72	30	43.1	17	38.90	52	63.4	22	13.70	29	78.1	16	10.02	41	37.8	— 2
Mai 10	19.02	32	41.4	19	39.42	56	61.2	17	13.99	32	76.5	18	10.43	43	38.0	8
20	19.34	33	39.5	19	39.98	56	59.5	14	14.31	32	74.7	19	10.86	44	38.8	13
30	19.67	32	37.6	19	40.54	56	58.1	9	14.63	32	72.8	20	11.30	43	40.1	19
Juni 9	19.99	32	35.7	19	41.10	55	57.2	4	14.95	31	70.8	20	11.73	42	42.0	22
19	20.31	30	33.8	18	41.65	52	56.8	0	15.26	30	68.8	20	12.15	39	44.2	27
29	20.61	28	32.0	17	42.17	49	56.8	4	15.56	28	66.8	20	12.54	34	46.9	30
Juli 9	20.89	25	30.3	15	42.66	43	57.2	9	15.84	25	64.8	17	12.88	31	49.9	32
19	21.14	21	28.8	13	43.09	37	58.1	14	16.09	21	63.1	16	13.19	25	53.1	34
29	21.35	17	27.5	10	43.46	29	59.5	16	16.30	17	61.5	15	13.44	19	56.5	35
Aug. 8	21.52	13	26.5	8	43.75	21	61.1	20	16.47	13	60.0	12	13.63	13	60.0	35
18	21.65	9	25.7	6	43.96	13	63.1	22	16.60	9	58.8	10	13.76	7	63.5	35
28	21.74	4	25.1	4	44.09	4	65.3	22	16.69	5	57.8	7	13.83	1	67.0	34
Sept. 7	21.78	0	24.7	2	44.13	— 4	67.5	25	16.74	1	57.1	6	13.84	— 5	70.4	31
17	21.78	3	24.5	0	44.09	12	70.0	23	16.75	— 3	56.5	3	13.79	10	73.5	29
27	21.75	7	24.5	2	43.97	19	72.3	22	16.72	7	56.2	1	13.69	15	76.4	26
Okt. 7	21.68	9	24.7	4	43.78	26	74.5	19	16.65	9	56.1	0	13.54	18	79.0	22
17	21.59	11	25.1	4	43.52	29	76.4	16	16.56	10	56.1	2	13.36	22	81.2	19
27	21.48	12	25.5	5	43.23	33	78.0	12	16.46	12	56.3	3	13.14	24	83.1	14
Nov. 6	21.36	12	26.0	5	42.90	34	79.2	8	16.34	11	56.6	5	12.90	26	84.5	8
16	21.24	12	26.5	6	42.56	33	80.0	2	16.23	12	57.1	5	12.64	26	85.3	4
26	21.12	11	27.1	5	42.23	32	80.2	— 3	16.11	11	57.6	6	12.38	26	85.7	— 2
Dez. 6	21.01	9	27.6	5	41.91	29	79.9	8	16.00	10	58.2	6	12.12	25	85.5	7
16	20.92	8	28.1	5	41.62	25	79.1	13	15.90	7	58.8	7	11.87	23	84.8	12
26	20.84	6	28.6	4	41.37	20	77.8	17	15.83	6	59.5	6	11.64	22	83.6	17
36	20.78		29.0		41.17		76.1		15.77		60.1		11.42		81.9	
Mittl. Ort	17.81		42.9		37.21		79.6		12.89		76.1		10.53		52.1	
sec δ, tg δ	1.010		−0.144		2.042		−1.781		1.001		−0.032		1.617		+1.271	

1914	848) 7 Lacertae. AR.		Dekl. +		850) η Aquarii. AR.		Dekl. —		852) 10 Lacertae. AR.		Dekl. +		855) ζ Pegasi. AR.		Dekl. +	
	$22^h\ 27^m$		49° 50′		$22^h\ 30^m$		0° 33′		$22^h\ 35^m$		38° 35′		$22^h\ 37^m$		10° 22′	
Jan. 0	43.21	18	34.5	18	55.79	5	43.4	7	22.92	12	76.8	17	9.79	7	55.7	10
10	43.03	15	32.7	22	55.74	4	44.1	7	22.80	11	75.1	19	9.72	5	54.7	11
20	42.88	10	30.5	24	55.70	1	44.8	6	22.69	7	73.2	22	9.67	2	53.6	11
30	42.78	6	28.1	27	55.69	— 1	45.4	4	22.62	3	71.0	23	9.65	0	52.5	10
Febr. 9	42.72	0	25.4	27	55.70	5	45.8	4	22.59	0	68.7	23	9.65	4	51.5	10
19	42.72	6	22.7	29	55.75	8	46.2	2	22.59	6	66.4	25	9.69	7	50.5	9
März 1	(24) 42.78	11	19.8	25	(24) 55.83	11	46.4	— 1	(26) 22.65	10	63.9	20	(26) 9.76	10	49.6	6
11	42.89	18	17.3	22	55.94	14	46.3	4	22.75	15	61.9	18	9.86	13	49.0	3
21	43.07	23	15.1	18	56.08	18	45.9	6	22.90	20	60.1	14	9.99	17	48.7	— 1
31	43.30	29	13.3	14	56.26	21	45.3	8	23.10	24	58.7	10	10.16	21	48.8	3
April 10	43.59	33	11.9	9	56.47	24	44.5	12	23.34	28	57.7	5	10.37	24	49.1	7
20	43.92	36	11.0	4	56.71	27	43.3	14	23.62	31	57.2	0	10.61	26	49.8	10
30	44.28	40	10.6	— 2	56.98	29	41.9	16	23.93	35	57.2	4	10.87	29	50.8	13
Mai 10	44.68	42	10.8	8	57.27	31	40.3	18	24.28	36	57.6	10	11.16	31	52.1	16
20	45.10	43	11.6	13	57.58	31	38.5	19	24.64	37	58.6	15	11.47	32	53.7	18
30	45.53	42	12.9	18	57.89	33	36.6	20	25.01	37	60.1	18	11.79	33	55.5	21
Juni 9	45.95	41	14.7	22	58.22	32	34.6	21	25.38	36	61.9	22	12.12	32	57.6	22
19	46.36	38	16.9	26	58.54	30	32.5	21	25.74	35	64.1	26	12.44	31	59.8	22
29	46.74	35	19.5	30	58.84	28	30.4	19	26.09	32	66.7	28	12.75	28	62.0	23
Juli 9	47.09	30	22.5	31	59.12	26	28.5	19	26.41	28	69.5	30	13.03	26	64.3	23
19	47.39	26	25.6	34	59.38	23	26.6	17	26.69	24	72.5	31	13.29	23	66.6	22
29	47.65	20	29.0	34	59.61	18	24.9	15	26.93	20	75.6	32	13.52	18	68.8	20
Aug. 8	47.85	14	32.4	35	59.79	14	23.4	13	27.13	14	78.8	31	13.70	15	70.8	19
18	47.99	9	35.9	34	59.93	10	22.1	11	27.27	10	81.9	31	13.85	10	72.7	17
28	48.08	2	39.3	34	60.03	6	21.0	8	27.37	5	85.0	29	13.95	7	74.4	15
Sept. 7	48.10	— 3	42.7	31	60.09	2	20.2	6	27.42	0	87.9	27	14.02	2	75.9	13
17	48.07	8	45.8	29	60.11	— 2	19.6	4	27.42	5	90.6	24	14.04	— 2	77.2	10
27	47.99	12	48.7	25	60.09	5	19.2	2	27.37	8	93.0	22	14.02	5	78.2	8
Okt. 7	47.87	16	51.2	23	60.04	8	19.0	1	27.29	11	95.2	19	13.97	7	79.0	5
17	47.71	20	53.5	18	59.96	9	18.9	— 2	27.18	14	97.1	15	13.90	9	79.5	3
27	47.51	22	55.3	14	59.87	11	19.1	3	27.04	16	98.6	10	13.81	11	79.8	1
Nov. 6	47.29	24	56.7	9	59.76	12	19.4	4	26.88	17	99.6	7	13.70	12	79.9	— 1
16	47.05	24	57.6	4	59.64	11	19.8	5	26.71	18	100.3	2	13.58	12	79.8	4
26	46.81	25	58.0	— 1	59.53	11	20.3	6	26.53	18	100.5	— 2	13.46	11	79.4	5
Dez. 6	46.56	23	57.9	6	59.42	10	20.9	6	26.35	17	100.3	7	13.35	11	78.9	7
16	46.33	22	57.3	11	59.32	8	21.5	7	26.18	16	99.6	11	13.24	9	78.2	9
26	46.11	19	56.2	16	59.24	7	22.2	7	26.02	14	98.5	14	13.15	8	77.3	9
36	45.92		54.6		59.17		22.9		25.88		97.1		13.07		76.4	
Mittl. Ort	44.74		24.1		56.26		40.1		24.00		68.4		10.34		55.4	
sec δ, tg δ	1.551		+1.185		1.000		—0.010		1.280		+0.798		1.017		+0.183	

1914	856) β Gruis.				857) η Pegasi.				859) λ Pegasi.				860) ε Gruis.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. −	
	$22^h 37^m$		47° 19′		$22^h 38^m$		29° 46′		$22^h 42^m$		23° 6′		$22^h 43^m$		51° 45′	
Jan. 0	32.03	12	80.9	13	57.28	10	22.1	15	22.52	9	50.4	14	21.83	15	86.4	14
10	31.91	8	79.6	15	57.18	8	20.6	18	22.43	6	49.0	15	21.68	12	85.0	17
20	31.83	5	78.1	19	57.10	5	18.8	18	22.37	5	47.5	16	21.56	6	83.3	21
30	31.78	1	76.2	22	57.05	2	17.0	20	22.32	1	45.9	17	21.50	3	81.2	24
Febr. 9	31.77	— 4	74.0	24	57.03	— 1	15.0	20	22.31	— 2	44.2	16	21.47	— 3	78.8	26
19	31.81	9	71.6	29	57.04	6	13.0	20	22.33	5	42.6	16	21.50	8	76.2	30
März 1	[26] 31.90	14	68.7	27	[27] 57.10	10	11.0	16	[27] 22.38	10	41.0	13	[28] 21.58	13	73.2	31
11	32.04	18	66.0	29	57.20	14	9.4	14	22.48	13	39.7	10	21.71	19	70.1	30
21	32.22	23	63.1	28	57.34	18	8.0	10	22.61	17	38.7	7	21.90	23	67.1	30
31	32.45	27	60.3	28	57.52	22	7.0	6	22.78	21	38.0	3	22.13	28	64.1	30
April 10	32.72	31	57.5	27	57.74	25	6.4	2	22.99	25	37.7	— 1	22.41	33	61.1	29
20	33.03	35	54.8	26	57.99	30	6.2	— 3	23.24	27	37.8	5	22.74	37	58.2	27
30	33.38	38	52.2	24	58.29	31	6.5	7	23.51	31	38.3	9	23.11	41	55.5	24
Mai 10	33.76	41	49.8	22	58.60	34	7.2	12	23.82	32	39.2	13	23.52	43	53.1	22
20	34.17	43	47.6	18	58.94	34	8.4	16	24.14	33	40.5	16	23.95	45	50.9	19
30	34.60	43	45.8	15	59.28	35	10.0	19	24.47	34	42.1	20	24.40	46	49.0	14
Juni 9	35.03	43	44.3	11	59.63	35	11.9	22	24.81	33	44.1	22	24.86	46	47.6	11
19	35.46	42	43.2	8	59.98	32	14.1	26	25.14	32	46.3	25	25.32	45	46.5	7
29	35.88	39	42.4	2	60.30	31	16.7	26	25.46	30	48.8	25	25.77	43	45.8	2
Juli 9	36.27	36	42.2	— 1	60.61	27	19.3	29	25.76	27	51.3	27	26.20	38	45.6	— 3
19	36.63	31	42.3	5	60.88	24	22.2	28	26.03	23	54.0	26	26.58	34	45.9	7
29	36.94	26	42.8	9	61.12	19	25.0	29	26.26	19	56.6	26	26.92	29	46.6	11
Aug. 8	37.20	21	43.7	13	61.31	15	27.9	28	26.45	15	59.2	25	27.21	23	47.7	14
18	37.41	14	45.0	16	61.46	10	30.7	27	26.60	11	61.7	24	27.44	15	49.1	18
28	37.55	8	46.6	17	61.56	5	33.4	25	26.71	6	64.1	22	27.59	9	50.9	20
Sept. 7	37.63	2	48.3	19	61.61	2	35.9	23	26.77	2	66.3	20	27.68	3	52.9	21
17	37.65	— 4	50.2	20	61.63	— 3	38.2	20	26.79	— 2	68.3	17	27.71	— 5	55.0	22
27	37.61	10	52.2	20	61.60	6	40.2	18	26.77	5	70.0	15	27.66	10	57.2	21
Okt. 7	37.51	14	54.2	18	61.54	10	42.0	15	26.72	8	71.5	12	27.56	15	59.3	20
17	37.37	17	56.0	17	61.44	11	43.5	11	26.64	10	72.7	8	27.41	19	61.3	18
27	37.20	19	57.7	13	61.33	14	44.6	8	26.54	11	73.5	6	27.22	22	63.1	14
Nov. 6	37.01	22	59.0	11	61.19	14	45.4	5	26.43	13	74.1	3	27.00	24	64.5	11
16	36.79	21	60.1	7	61.05	15	45.9	0	26.30	14	74.4	— 1	26.76	24	65.6	8
26	36.58	21	60.8	2	60.90	14	45.9	3	26.16	13	74.3	4	26.52	24	66.4	2
Dez. 6	36.37	19	61.0	— 1	60.76	14	45.6	7	26.03	12	73.9	7	26.28	23	66.6	— 2
16	36.18	17	60.9	6	60.62	13	44.9	10	25.91	12	73.2	10	26.05	20	66.4	7
26	36.01	14	60.3	11	60.49	11	43.9	14	25.79	9	72.2	12	25.85	17	65.7	11
36	35.87		59.2		60.38		42.5		25.70		71.0		25.68		64.6	
Mittl. Ort	32.18		65.3		58.13		15.9		23.23		45.9		21.91		70.0	
sec δ, tg δ	1.475		−1.085		1.152		+0.572		1.087		+0.427		1.616		−1.269	

1914	863) ι Cephei. AR.	Δ	Dekl. +	Δ	864) λ Aquarii. AR.	Δ	Dekl. —	Δ	865) ρ Indi. AR.	Δ	Dekl. —	Δ	866) δ Aquarii. AR.	Δ	Dekl. —	Δ
	22h 46m		65° 44′		22h 48m		8° 1′		22h 48m		70° 31′		22h 50m		16° 16′	
Jan. 0	34.37	38	67.1	15	7.42	7	80.1	4	41.48	38	79.1	20	5.02	7	49.9	1
10	33.99	33	65.6	21	7.35	4	80.5	3	41.10	31	77.1	24	4.95	5	50.0	0
20	33.66	26	63.5	25	7.31	3	80.8	2	40.79	22	74.7	29	4.90	2	50.0	3
30	33.40	19	61.0	27	7.28	0	81.0	0	40.57	13	71.8	31	4.88	0	49.7	4
Febr. 9	33.21	11	58.3	30	7.28	3	81.0	1	40.44	3	68.7	34	4.88	2	49.3	7
19	33.10	1	55.3	31	7.31	6	80.9	3	40.41	6	65.3	36	4.90	6	48.6	8
März 1	33.09	10	52.2	32	7.37	10	80.6	7	40.47	18	61.7	39	4.96	10	47.8	12
11	33.19	19	49.0	27	7.47	13	79.9	8	40.65	27	57.8	37	5.06	13	46.6	13
21	33.38	28	46.3	24	7.60	16	79.1	10	40.92	36	54.1	35	5.19	17	45.3	14
31	33.66	37	43.9	20	7.76	20	78.1	12	41.28	45	50.6	34	5.36	20	43.9	17
April 10	34.03	45	41.9	16	7.96	22	76.9	15	41.73	53	47.2	31	5.56	23	42.2	18
20	34.48	52	40.3	10	8.18	26	75.4	17	42.26	60	44.1	29	5.79	26	40.4	20
30	35.00	56	39.3	4	8.44	29	73.7	18	42.86	66	41.2	25	6.05	29	38.4	20
Mai 10	35.56	59	38.9	1	8.73	31	71.9	19	43.52	71	38.7	21	6.34	31	36.4	21
20	36.15	61	39.0	7	9.04	31	70.0	21	44.23	75	36.6	16	6.65	33	34.3	20
30	36.76	60	39.7	13	9.35	33	67.9	20	44.98	76	35.0	12	6.98	33	32.3	20
Juni 9	37.36	59	41.0	18	9.68	32	65.9	20	45.74	77	33.8	7	7.31	33	30.3	19
19	37.95	55	42.8	24	10.00	32	63.9	19	46.51	73	33.1	1	7.64	32	28.4	17
29	38.50	51	45.2	27	10.32	30	62.0	17	47.24	70	33.0	4	7.96	31	26.7	15
Juli 9	39.01	44	47.9	31	10.62	27	60.3	16	47.94	64	33.4	9	8.27	28	25.2	13
19	39.45	38	51.0	33	10.89	24	58.7	14	48.58	57	34.3	14	8.55	25	23.9	10
29	39.83	29	54.3	36	11.13	20	57.3	12	49.15	47	35.7	17	8.80	21	22.9	7
Aug. 8	40.12	21	57.9	37	11.33	16	56.1	9	49.62	36	37.4	22	9.01	17	22.2	5
18	40.33	13	61.6	37	11.49	12	55.2	7	49.98	25	39.6	24	9.18	13	21.7	2
28	40.46	4	65.3	37	11.61	8	54.5	4	50.23	13	42.0	27	9.31	8	21.5	1
Sept. 7	40.50	4	69.0	36	11.69	4	54.1	2	50.36	0	44.7	27	9.39	4	21.6	3
17	40.46	12	72.6	35	11.73	0	53.9	0	50.36	12	47.4	27	9.43	0	21.9	5
27	40.34	19	76.1	32	11.73	4	53.9	2	50.24	23	50.1	26	9.43	4	22.4	6
Okt. 7	40.15	26	79.3	29	11.69	6	54.1	4	50.01	33	52.7	24	9.39	7	23.0	8
17	39.89	31	82.2	25	11.63	9	54.5	5	49.68	42	55.1	20	9.32	9	23.8	8
27	39.58	37	84.7	21	11.54	10	55.0	5	49.26	48	57.1	16	9.23	10	24.6	8
Nov. 6	39.21	40	86.8	16	11.44	11	55.5	6	48.78	52	58.7	11	9.13	12	25.4	8
16	38.81	43	88.4	10	11.33	12	56.1	6	48.26	54	59.8	5	9.01	12	26.2	7
26	38.38	44	89.4	5	11.21	11	56.7	6	47.72	54	60.3	0	8.89	11	26.9	6
Dez. 6	37.94	43	89.9	2	11.10	10	57.3	6	47.18	52	60.3	6	8.78	11	27.5	5
16	37.51	42	89.7	7	11.00	9	57.9	5	46.66	48	59.7	12	8.67	10	28.0	3
26	37.09	40	89.0	13	10.91	8	58.4	5	46.18	42	58.5	17	8.57	8	28.3	2
36	36.69		87.7		10.83		58.9		45.76		56.8		8.49		28.5	
Mittl. Ort	36.89		52.3		7.73		75.1		41.48		60.3		5.26		42.4	
sec δ, tg δ	2.434		+2.219		1.010		—0.141		3.000		—2.829		1.042		—0.292	

1914	867) α Pisc. austr.				869) ο Andromed.				870) β Pegasi.				871) α Pegasi.			
	AR.		Dekl. −		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	22h 52m		30° 4′		22h 57m		41° 51′		22h 59m		27° 36′		23h 0m		14° 44′	
Jan. 0	53.93 s	8	53.1 ″	4	56.64 s	15	59.1 ″	15	35.50 s	11	64.5 ″	13	28.06 s	8	34.9 ″	10
10	53.85	7	52.7	7	56.49	13	57.6	18	35.39	9	63.2	16	27.98	7	33.9	12
20	53.78	3	52.0	10	56.36	10	55.8	21	35.30	6	61.6	16	27.91	5	32.7	12
30	53.75	1	51.0	12	56.26	7	53.7	22	35.24	4	60.0	18	27.86	2	31.5	12
Febr. 9	53.74	2	49.8	14	56.19	3	51.5	24	35.20	0	58.2	18	27.84	1	30.3	12
19	53.76	6	48.4	17	56.16	2	49.1	23	35.20	3	56.4	17	27.85	4	29.1	10
März 1	53.82	11	46.7	21	56.18	8	46.8	24	35.23	8	54.7	17	27.89	8	28.1	9
11	53.93	13	44.6	20	56.26	13	44.4	20	35.31	11	53.0	12	27.97	11	27.2	5
21	54.06	17	42.6	22	56.39	17	42.4	16	35.42	16	51.8	10	28.08	15	26.7	3
31	54.23	21	40.4	23	56.56	23	40.8	13	35.58	20	50.8	6	28.23	19	26.4	1
April 10	54.44	25	38.1	24	56.79	27	39.5	8	35.78	24	50.2	2	28.42	22	26.5	4
20	54.69	28	35.7	23	57.06	31	38.7	3	36.02	27	50.0	3	28.64	26	26.9	8
30	54.97	31	33.4	23	57.37	35	38.4	2	36.29	31	50.3	7	28.90	28	27.7	11
Mai 10	55.28	33	31.1	22	57.72	36	38.6	7	36.60	32	51.0	11	29.18	31	28.8	14
20	55.61	36	28.9	21	58.08	39	39.3	12	36.92	34	52.1	14	29.49	32	30.2	18
30	55.97	36	26.8	19	58.47	39	40.5	16	37.26	35	53.5	18	29.81	33	32.0	19
Juni 9	56.33	35	24.9	16	58.86	38	42.1	20	37.61	35	55.3	22	30.14	32	33.9	22
19	56.68	36	23.3	14	59.24	37	44.1	24	37.96	33	57.5	24	30.46	32	36.1	23
29	57.04	33	21.9	11	59.61	35	46.5	27	38.29	31	59.9	26	30.78	30	38.4	23
Juli 9	57.37	31	20.8	7	59.96	31	49.2	30	38.60	29	62.5	26	31.08	28	40.7	24
19	57.68	27	20.1	4	60.27	27	52.2	30	38.89	25	65.1	28	31.36	24	43.1	23
29	57.95	23	19.7	0	60.54	23	55.2	32	39.14	21	67.9	27	31.60	21	45.4	23
Aug. 8	58.18	19	19.7	3	60.77	18	58.4	32	39.35	17	70.6	27	31.81	17	47.7	21
18	58.37	14	20.0	6	60.95	13	61.6	31	39.52	13	73.3	26	31.98	12	49.8	20
28	58.51	9	20.6	9	61.08	8	64.7	31	39.65	8	75.9	25	32.10	9	51.8	17
Sept. 7	58.60	4	21.5	11	61.16	2	67.8	29	39.73	4	78.4	22	32.19	5	53.5	16
17	58.64	0	22.6	12	61.18	1	70.7	27	39.77	0	80.6	20	32.24	0	55.1	13
27	58.64	4	23.8	14	61.17	6	73.4	24	39.77	4	82.6	18	32.24	3	56.4	10
Okt. 7	58.60	8	25.2	13	61.11	10	75.8	21	39.73	6	84.4	14	32.21	5	57.4	8
17	58.52	11	26.5	13	61.01	13	77.9	18	39.67	10	85.8	12	32.16	8	58.2	6
27	58.41	13	27.8	12	60.88	15	79.7	14	39.57	11	87.0	8	32.08	10	58.8	3
Nov. 6	58.28	13	29.0	11	60.73	17	81.1	9	39.46	13	87.8	5	31.98	10	59.1	0
16	58.15	15	30.1	8	60.56	18	82.0	6	39.33	13	88.3	1	31.88	12	59.1	1
26	58.00	14	30.9	6	60.38	18	82.6	0	39.20	14	88.4	2	31.76	11	59.0	4
Dez. 6	57.86	13	31.5	3	60.20	19	82.6	4	39.06	13	88.2	5	31.65	11	58.6	7
16	57.73	11	31.8	0	60.01	17	82.2	9	38.93	13	87.7	9	31.54	11	57.9	8
26	57.62	10	31.8	3	59.84	17	81.3	12	38.80	11	86.8	11	31.43	9	57.1	10
36	57.52		31.5		59.67		80.1		38.69		85.7		31.34		56.1	
Mittl. Ort	54.05		41.7		57.67		48.5		36.18		57.7		28.55		32.2	
sec δ, tg δ	1.156		−0.579		1.343		+0.896		1.129		+0.523		1.034		+0.263	

1914	872) ϑ Gruis. AR.		Dekl. —		873) c^2 Aquarii. AR.		Dekl. —		874) π Cephei. AR.		Dekl. +		875) Br. 3077. AR.		Dekl. +	
	23h 2m		43° 58′		23h 4m		21° 37′		23h 5m		74° 55′		23h 9m		56° 41′	
Jan. 0	2.32s	13	81.4″	9	51.67s	8	90.7″	1	5.65s	69	38.1″	12	6.64s	25	50.7″	14
10	2.19	10	80.5	13	51.59	7	90.6	3	4.96	62	36.9	17	6.39	23	49.3	18
20	2.09	7	79.2	16	51.52	4	90.3	4	4.34	53	35.2	23	6.16	19	47.5	22
30	2.02	4	77.6	19	51.48	2	89.9	8	3.81	42	32.9	26	5.97	14	45.3	25
Febr. 9	1.98	0	75.7	22	51.46	— 2	89.1	9	3.39	27	30.3	29	5.83	8	42.8	27
19	1.98	4	73.5	25	51.48	4	88.2	12	3.12	13	27.4	31	5.75	2	40.1	27
März 1	2.02	10	71.0	29	51.52	8	87.0	16	2.99	— 4	24.3	34	5.73	— 6	37.4	30
11	2.12	14	68.1	27	51.60	12	85.4	16	3.03	20	20.9	29	5.79	13	34.4	25
21	2.26	18	65.4	29	51.72	15	83.8	18	3.23	35	18.0	28	5.92	21	31.9	23
31	2.44	23	62.5	28	51.87	19	82.0	19	3.58	49	15.2	23	6.13	27	29.6	19
April 10	2.67	27	59.7	29	52.06	22	80.1	21	4.07	62	12.9	20	6.40	33	27.7	14
20	2.94	31	56.8	27	52.28	26	78.0	22	4.69	72	10.9	14	6.73	39	26.3	10
30	3.25	34	54.1	26	52.54	29	75.8	22	5.41	82	9.5	9	7.12	44	25.3	3
Mai 10	3.59	38	51.5	23	52.83	31	73.6	22	6.23	86	8.6	3	7.56	47	25.0	— 1
20	3.97	39	49.2	22	53.14	33	71.4	21	7.09	90	8.3	— 3	8.03	49	25.1	7
30	4.36	41	47.0	18	53.47	34	69.3	20	7.99	90	8.6	8	8.52	50	25.8	12
Juni 9	4.77	41	45.2	14	53.81	34	67.3	19	8.89	88	9.4	15	9.02	49	27.0	18
19	5.18	41	43.8	11	54.15	34	65.4	17	9.77	84	10.9	19	9.51	47	28.8	22
29	5.59	38	42.7	6	54.49	31	63.7	14	10.61	78	12.8	25	9.98	44	31.0	26
Juli 9	5.97	36	42.1	2	54.80	30	62.3	11	11.39	69	15.3	28	10.42	40	33.6	29
19	6.33	32	41.9	— 2	55.10	27	61.2	9	12.08	59	18.1	32	10.82	35	36.5	32
29	6.65	27	42.1	6	55.37	23	60.3	5	12.67	47	21.3	34	11.17	29	39.7	34
Aug. 8	6.92	23	42.7	10	55.60	18	59.8	2	13.14	36	24.7	37	11.46	24	43.1	35
18	7.15	16	43.7	13	55.78	15	59.6	— 1	13.50	23	28.4	38	11.70	17	46.6	36
28	7.31	11	45.0	16	55.93	10	59.7	4	13.73	10	32.2	38	11.87	10	50.2	35
Sept. 7	7.42	5	46.6	17	56.03	5	60.1	6	13.83	— 2	36.0	38	11.97	4	53.7	35
17	7.47	0	48.3	19	56.08	1	60.7	8	13.81	15	39.8	37	12.01	— 2	57.2	33
27	7.47	6	50.2	20	56.09	— 2	61.5	9	13.66	27	43.5	35	11.99	8	60.5	30
Okt. 7	7.41	10	52.2	19	56.07	6	62.4	11	13.39	38	47.0	33	11.91	13	63.5	28
17	7.31	14	54.1	18	56.01	8	63.5	10	13.01	48	50.3	29	11.78	17	66.3	24
27	7.17	16	55.9	15	55.93	11	64.5	11	12.53	57	53.2	26	11.61	21	68.7	21
Nov. 6	7.01	19	57.4	13	55.82	12	65.6	9	11.96	64	55.8	20	11.40	25	70.8	15
16	6.82	19	58.7	9	55.70	12	66.5	8	11.32	70	57.8	15	11.15	26	72.3	11
26	6.63	19	59.6	6	55.58	12	67.3	7	10.62	73	59.3	10	10.89	28	73.4	5
Dez. 6	6.44	18	60.2	1	55.46	12	68.0	5	9.89	75	60.3	3	10.61	29	73.9	0
16	6.26	18	60.3	— 3	55.34	11	68.5	3	9.14	75	60.6	— 3	10.32	28	73.9	6
26	6.08	14	60.0	7	55.23	9	68.8	1	8.39	72	60.3	10	10.04	26	73.3	11
36	5.94		59.3		55.14		68.9		7.67		59.3		9.78		72.2	
Mittl. Ort	2.29		66.7		51.78		81.9		9.52		20.8		8.18		35.9	
sec δ, tg δ	1.390		−0.965		1.076		−0.397		3.844		+3.711		1.821		+1.522	

1914	877) γ Tucanae. AR.	Diff.	Dekl. −	Diff.	879) γ Sculptoris. AR.	Diff.	Dekl. −	Diff.	880) τ Pegasi. AR.	Diff.	Dekl. +	Diff.	882) 4 Cassiopejae. AR.	Diff.	Dekl. +	Diff.
	23h 12m		58° 41′		23h 14m		32° 59′		23h 16m		23° 16′		23h 20m		61° 48′	
Jan. 0	25.24		103.9		11.01		74.4		22.19		16.0		58.95		54.2	
10	25.00	24	102.6	13	10.91	10	74.0	4	22.09	10	14.8	12	58.62	33	53.1	11
20	24.80	20	100.8	18	10.82	9	73.2	8	22.00	9	13.5	13	58.32	30	51.4	17
30	24.65	15	98.5	23	10.76	6	72.2	10	21.92	8	12.0	15	58.06	26	49.2	22
Febr. 9	24.55	10	95.9	26	10.72	4	70.9	13	21.88	4	10.5	15	57.86	20	46.8	24
19	24.51	4	93.1	28	10.72	0	69.3	16	21.86	2	9.0	15	57.72	14	44.1	27
März 1	24.52	1	90.0	31	10.75	3	67.4	19	21.88	2	7.6	14	57.66	6	41.2	29
11	24.60	8	86.4	36	10.82	7	65.2	22	21.94	6	6.2	14	57.69	3	38.1	31
21	24.75	15	83.0	34	10.93	11	62.9	23	22.04	10	5.1	11	57.79	10	35.4	27
31	24.95	20	79.6	34	11.08	15	60.5	24	22.18	14	4.4	7	57.99	20	32.9	25
April 10	25.22	27	76.3	33	11.27	19	58.0	25	22.36	18	4.0	4	58.26	27	30.8	21
20	25.54	32	73.1	32	11.50	23	55.5	25	22.57	21	3.9	1	58.62	36	29.1	17
30	25.92	38	70.0	31	11.77	27	53.0	25	22.83	26	4.2	3	59.03	41	27.8	13
Mai 10	26.35	43	67.3	27	12.07	30	50.5	25	23.12	29	5.0	8	59.50	47	27.1	7
20	26.82	47	64.8	25	12.40	33	48.1	24	23.43	31	6.1	11	60.02	52	27.0	1
30	27.31	49	62.7	21	12.74	34	45.8	23	23.76	33	7.6	15	60.56	54	27.4	4
Juni 9	27.82	51	61.0	17	13.11	37	43.8	20	24.10	34	9.4	18	61.10	54	28.4	10
19	28.36	54	59.7	13	13.48	37	42.0	18	24.44	34	11.4	20	61.65	55	29.9	15
29	28.88	52	59.0	7	13.84	36	40.6	14	24.77	33	13.7	23	62.17	52	31.9	20
Juli 9	29.38	50	58.7	3	14.19	35	39.5	11	25.08	31	16.2	25	62.67	50	34.4	25
19	29.84	46	58.9	2	14.51	32	38.7	8	25.38	30	18.7	25	63.13	46	37.2	28
29	30.26	42	59.6	7	14.81	30	38.4	3	25.64	26	21.3	26	63.53	40	40.3	31
Aug. 8	30.62	36	60.8	12	15.06	25	38.4	0	25.86	22	23.9	26	63.86	33	43.7	34
18	30.92	30	62.4	16	15.27	21	38.8	4	26.05	19	26.3	24	64.13	27	47.2	35
28	31.14	22	64.3	19	15.44	17	39.5	7	26.19	14	28.7	24	64.33	20	50.8	36
Sept. 7	31.29	15	66.5	22	15.55	11	40.5	10	26.29	10	30.9	22	64.46	13	54.4	36
17	31.35	6	68.9	24	15.62	7	41.7	12	26.35	6	33.0	21	64.52	6	58.0	36
27	31.34	1	71.4	25	15.64	2	43.1	14	26.37	2	34.8	18	64.50	2	61.5	35
Okt. 7	31.25	9	73.8	24	15.61	3	44.6	15	26.36	1	36.3	15	64.42	8	64.8	33
17	31.10	15	76.2	24	15.54	7	46.2	16	26.31	5	37.6	13	64.28	14	67.8	30
27	30.89	21	78.3	21	15.45	9	47.7	15	26.24	7	38.6	10	64.08	20	70.5	27
Nov. 6	30.64	25	80.2	19	15.33	12	49.1	14	26.15	9	39.3	7	63.84	24	72.8	23
16	30.35	29	81.6	14	15.19	14	50.4	13	26.04	11	39.8	5	63.55	29	74.6	18
26	30.05	30	82.6	10	15.05	14	51.4	10	25.92	12	39.8	0	63.24	31	76.0	14
Dez. 6	29.74	31	83.1	5	14.90	15	52.1	7	25.80	12	39.6	2	62.90	34	76.8	8
16	29.44	30	83.0	1	14.75	15	52.5	4	25.67	13	39.2	4	62.55	35	77.0	2
26	29.15	29	82.4	6	14.62	13	52.6	1	25.56	11	38.4	8	62.20	35	76.6	4
36	28.89	26	81.3	11	14.50	12	52.4	2	25.45	11	37.4	10	61.86	34	75.7	9
Mittl. Ort	24.99		86.6		10.97		62.6		22.70		9.7		60.69		37.8	
sec δ, tg δ	1.925		−1.645		1.192		−0.649		1.089		+0.430		2.117		+1.866	

1914	884) κ Piscium.				885) 70 Pegasi.				891) ι Andromed.				892) ι Piscium.			
	AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +		AR.		Dekl. +	
	$23^h\ 22^m$		0° 47′		$23^h\ 24^m$		12° 17′		$23^h\ 33^m$		42° 47′		$23^h\ 35^m$		5° 9′	
	s		″		s		″		s		″		s		″	
Jan. 0	31.22	8	3.7	7	47.93	9	12.3	10	54.07	17	43.4	11	31.39	9	37.0	8
10	31.14	7	3.0	6	47.84	8	11.3	10	53.90	16	42.3	15	31.30	7	36.2	8
20	31.07	5	2.4	6	47.76	6	10.3	10	53.74	14	40.8	19	31.23	7	35.4	7
30	31.02	3	1.8	5	47.70	4	9.3	10	53.60	10	38.9	20	31.16	4	34.7	7
Febr. 9	30.99	1	1.3	3	47.66	2	8.3	9	53.50	7	36.9	22	31.12	2	34.0	5
19	30.98	— 2	1.0	2	47.64	— 2	7.4	9	53.43	3	34.7	23	31.10	— 1	33.5	5
März 1	31.00	6	0.8	— 1	47.66	5	6.5	7	53.40	— 3	32.4	22	31.11	4	33.0	2
11	[10] 31.06	9	0.9	3	47.71	9	5.8	4	53.43	8	30.2	22	[14] 31.15	8	32.8	0
21	31.15	12	1.2	5	[11] 47.80	12	5.4	1	[13] 53.51	14	28.0	18	31.23	11	32.8	3
31	31.27	17	1.7	8	47.92	17	5.3	— 1	53.65	18	26.2	15	31.34	16	33.1	5
April 10	31.44	20	2.5	11	48.09	20	5.4	5	53.83	24	24.7	10	31.50	19	33.6	8
20	31.64	24	3.6	13	48.29	24	5.9	8	54.07	29	23.7	6	31.69	23	34.4	11
30	31.88	26	4.9	16	48.53	27	6.7	11	54.36	33	23.1	2	31.92	26	35.5	14
Mai 10	32.14	29	6.5	17	48.80	29	7.8	15	54.69	36	22.9	— 4	32.18	28	36.9	16
20	32.43	31	8.2	20	49.09	32	9.3	17	55.05	38	23.3	8	32.46	31	38.5	18
30	32.74	32	10.2	20	49.41	32	11.0	19	55.43	39	24.1	13	32.77	32	40.3	20
Juni 9	33.06	33	12.2	21	49.73	33	12.9	21	55.82	40	25.4	17	33.09	32	42.3	21
19	33.39	32	14.3	21	50.06	32	15.0	22	56.22	39	27.1	21	33.41	33	44.4	21
29	33.71	30	16.4	21	50.38	31	17.2	22	56.61	38	29.2	24	33.74	31	46.5	22
Juli 9	34.01	29	18.5	19	50.69	29	19.4	23	56.99	34	31.6	27	34.05	29	48.7	20
19	34.30	26	20.4	19	50.98	26	21.7	23	57.33	32	34.3	29	34.34	27	50.7	20
29	34.56	23	22.3	16	51.24	23	24.0	21	57.65	27	37.2	31	34.61	23	52.7	18
Aug. 8	34.79	18	23.9	14	51.47	19	26.1	20	57.92	22	40.3	31	34.84	20	54.5	17
18	34.97	15	25.3	12	51.66	15	28.1	18	58.14	18	43.4	31	35.04	16	56.2	14
28	35.12	11	26.5	10	51.81	11	29.9	17	58.32	13	46.5	31	35.20	13	57.6	12
Sept. 7	35.23	7	27.5	7	51.92	7	31.6	14	58.45	8	49.6	29	35.33	8	58.8	10
17	35.30	3	28.2	5	51.99	4	33.0	12	58.53	4	52.5	28	35.41	5	59.8	8
27	35.33	0	28.7	3	52.03	— 1	34.2	9	58.57	— 1	55.3	26	35.46	0	60.6	5
Okt. 7	35.33	3	29.0	1	52.02	3	35.1	7	58.56	6	57.9	23	35.46	2	61.1	3
17	35.30	6	29.1	— 1	51.99	5	35.8	5	58.50	8	60.2	20	35.44	4	61.4	2
27	35.24	8	29.0	3	51.94	8	36.3	2	58.42	11	62.2	17	35.40	7	61.6	— 1
Nov. 6	35.16	9	28.7	4	51.86	10	36.5	1	58.31	15	63.9	13	35.33	8	61.5	3
16	35.07	10	28.3	4	51.76	10	36.6	— 2	58.16	15	65.2	8	35.25	9	61.2	3
26	34.97	10	27.9	6	51.66	10	36.4	4	58.01	18	66.0	5	35.16	10	60.9	5
Dez. 6	34.87	10	27.3	6	51.56	11	36.0	5	57.83	18	66.5	0	35.06	10	60.4	6
16	34.77	10	26.7	7	51.45	10	35.5	7	57.65	18	66.5	5	34.96	10	59.8	7
26	34.67	9	26.0	7	51.35	10	34.8	9	57.47	17	66.0	10	34.86	10	59.1	8
36	34.58		25.3		51.25		33.9		57.30		65.0		34.76		58.3	
Mittl. Ort	31.43		4.7		48.24		9.2		54.85		30.5		31.57		36.0	
sec δ, tg δ	1.000		+0.014		1.023		+0.218		1.363		+0.926		1.004		+0.090	

1914	893) γ Cephei. AR.		Dekl. +		894) ω² Aquarii. AR.		Dekl. −		895) 41 H. Cephei. AR.		Dekl. +		896) Lac. δ Sculpt. AR.		Dekl. −	
	23h 35m		77° 8′		23h 38m		15° 0′		23h 43m		67° 19′		23h 44m		28° 35′	
Jan. 0	44.64	86	87.9	8	15.86	10	79.6	2	45.48	44	62.9	8	27.09	12	91.2	0
10	43.78	79	87.1	13	15.76	8	79.8	1	45.04	42	62.1	14	26.97	10	91.2	4
20	42.99	71	85.8	19	15.68	6	79.9	1	44.62	38	60.7	19	26.87	8	90.8	8
30	42.28	60	83.9	23	15.62	5	79.8	3	44.24	31	58.8	23	26.79	7	90.0	10
Febr. 9	41.68	45	81.6	27	15.57	2	79.5	6	43.93	24	56.5	26	26.72	3	89.0	12
19	41.23	28	78.9	29	15.55	0	78.9	8	43.69	15	53.9	28	26.69	0	87.8	16
März 1	40.95	10	76.0	31	15.55	4	78.1	10	43.54	5	51.1	29	26.69	3	86.2	18
11	40.85	9	72.9	33	15.59	8	77.1	14	43.49	7	48.2	31	26.72	7	84.4	22
21	[14] 40.94	28	69.6	28	[15] 15.67	12	75.7	14	[16] 43.56	17	45.1	27	[16] 26.79	11	82.2	22
31	41.22	46	66.8	26	15.79	15	74.3	17	43.73	28	42.4	25	26.90	15	80.0	24
April 10	41.68	62	64.2	23	15.94	19	72.6	18	44.01	37	39.9	20	27.05	19	77.6	25
20	42.30	76	61.9	18	16.13	22	70.8	20	44.38	46	37.9	17	27.24	23	75.1	26
30	43.06	87	60.1	13	16.35	26	68.8	22	44.84	53	36.2	11	27.47	27	72.5	25
Mai 10	43.93	97	58.8	7	16.61	29	66.6	22	45.37	60	35.1	5	27.74	30	70.0	25
20	44.90	102	58.1	1	16.90	31	64.4	22	45.97	63	34.6	0	28.04	32	67.5	24
30	45.92	105	58.0	4	17.21	32	62.2	21	46.60	65	34.6	6	28.36	35	65.1	22
Juni 9	46.97	105	58.4	10	17.53	33	60.1	21	47.25	66	35.2	11	28.71	35	62.9	21
19	48.02	102	59.4	16	17.86	33	58.0	19	47.91	64	36.3	16	29.06	35	60.8	17
29	49.04	96	61.0	20	18.19	32	56.1	18	48.55	62	37.9	21	29.41	35	59.1	15
Juli 9	50.00	88	63.0	25	18.51	30	54.3	15	49.17	57	40.0	26	29.76	32	57.6	11
19	50.88	78	65.5	29	18.81	28	52.8	13	49.74	51	42.6	29	30.08	31	56.5	7
29	51.66	67	68.4	32	19.09	25	51.5	9	50.25	44	45.5	32	30.39	27	55.8	4
Aug. 8	52.33	54	71.6	35	19.34	21	50.6	7	50.69	37	48.7	34	30.66	23	55.4	0
18	52.87	40	75.1	37	19.55	17	49.9	3	51.06	29	52.1	36	30.89	18	55.4	4
28	53.27	26	78.8	38	19.72	13	49.6	1	51.35	21	55.7	37	31.07	14	55.8	7
Sept. 7	53.53	11	82.6	38	19.85	9	49.5	2	51.56	11	59.4	37	31.21	10	56.5	10
17	53.64	3	86.4	38	19.94	4	49.7	5	51.67	3	63.1	37	31.31	6	57.5	12
27	53.61	18	90.2	37	19.98	1	50.2	6	51.70	5	66.8	35	31.37	1	58.7	13
Okt. 7	53.43	32	93.9	35	19.99	2	50.8	8	51.65	12	70.3	33	31.38	3	60.0	15
17	53.11	44	97.4	32	19.97	5	51.6	9	51.53	20	73.6	30	31.35	6	61.5	15
27	52.67	56	100.6	29	19.92	7	52.5	9	51.33	27	76.6	27	31.29	9	63.0	15
Nov. 6	52.11	67	103.5	25	19.85	9	53.4	9	51.06	33	79.3	22	31.20	11	64.5	13
16	51.44	75	106.0	19	19.76	10	54.3	9	50.73	38	81.5	18	31.09	12	65.8	12
26	50.69	82	107.9	14	19.66	11	55.2	8	50.35	42	83.3	12	30.97	13	67.0	9
Dez. 6	49.87	87	109.3	8	19.55	11	56.0	7	49.93	44	84.5	7	30.84	13	67.9	7
16	49.00	88	110.1	2	19.44	11	56.7	5	49.49	45	85.2	0	30.71	13	68.6	4
26	48.12	87	110.3	5	19.33	10	57.2	4	49.04	45	85.2	5	30.58	13	69.0	1
36	47.25		109.8		19.23		57.6		48.59		84.7		30.45		69.1	
Mittl. Ort	48.47		68.4		15.82		73.8		47.38		44.2		26.89		81.5	
sec δ, tg δ	4.496		+4.384		1.035		−0.268		2.594		+2.394		1.139		−0.545	

1914	898) φ Pegasi. AR.		Dekl. +		902) ω Piscium. AR.		Dekl. +		903) ε Tucanae. AR.		Dekl. −	
	23h 48m		18° 38′		23h 54m		6° 23′		23h 55m		66° 2′	
Jan. 0	6.39	11	39.5	9	53.57	9	16.0	7	28.18	39	97.8	10
10	6.28	10	38.6	10	53.48	9	15.3	8	27.79	35	96.8	17
20	6.18	8	37.6	12	53.39	8	14.5	7	27.44	31	95.1	21
30	6.10	6	36.4	12	53.31	6	13.8	7	27.13	26	93.0	26
Febr. 9	6.04	4	35.2	13	53.25	4	13.1	6	26.87	19	90.4	29
19	6.00	2	33.9	11	53.21	1	12.5	5	26.68	11	87.5	32
März 1	5.98	2	32.8	10	53.20	2	12.0	2	26.57	5	84.2	34
11	6.00	7	31.8	8	53.22	6	11.8	1	26.52	5	80.8	40
21	17 6.07	11	31.0	6	19 53.28	10	11.7	2	19 26.57	12	76.8	37
31	6.18	14	30.4	2	53.38	13	11.9	4	26.69	21	73.1	37
April 10	6.32	19	30.2	1	53.51	18	12.3	8	26.90	29	69.4	36
20	6.51	22	30.3	4	53.69	21	13.1	10	27.19	36	65.8	34
30	6.73	27	30.7	8	53.90	25	14.1	13	27.55	44	62.4	32
Mai 10	7.00	29	31.5	11	54.15	27	15.4	15	27.99	50	59.2	28
20	7.29	31	32.6	15	54.42	30	16.9	18	28.49	55	56.4	26
30	7.60	33	34.1	17	54.72	32	18.7	19	29.04	60	53.8	20
Juni 9	7.93	34	35.8	19	55.04	32	20.6	21	29.64	61	51.8	16
19	8.27	33	37.7	22	55.36	33	22.7	21	30.25	63	50.2	12
29	8.60	32	39.9	23	55.69	31	24.8	22	30.88	62	49.0	5
Juli 9	8.92	31	42.2	23	56.00	31	27.0	21	31.50	60	48.5	0
19	9.23	28	44.5	24	56.31	27	29.1	20	32.10	56	48.5	5
29	9.51	25	46.9	23	56.58	25	31.1	19	32.66	50	49.0	10
Aug. 8	9.76	21	49.2	22	56.83	22	33.0	17	33.16	42	50.0	16
18	9.97	17	51.4	22	57.05	18	34.7	15	33.58	35	51.6	19
28	10.14	14	53.6	19	57.23	14	36.2	13	33.93	26	53.5	23
Sept. 7	10.28	9	55.5	18	57.37	10	37.5	11	34.19	16	55.8	26
17	10.37	6	57.3	16	57.47	6	38.6	8	34.35	6	58.4	28
27	10.43	2	58.9	13	57.53	3	39.4	6	34.41	4	61.2	28
Okt. 7	10.45	1	60.2	11	57.56	0	40.0	4	34.37	13	64.0	27
17	10.44	3	61.3	8	57.56	3	40.4	2	34.24	22	66.7	26
27	10.41	7	62.1	6	57.53	5	40.6	0	34.02	29	69.3	23
Nov. 6	10.34	8	62.7	4	57.48	7	40.6	2	33.73	34	71.6	19
16	10.26	9	63.1	1	57.41	8	40.4	3	33.39	40	73.5	15
26	10.17	11	63.2	2	57.33	9	40.1	4	32.99	41	75.0	9
Dez. 6	10.06	11	63.0	4	57.24	10	39.7	6	32.58	44	75.9	4
16	9.95	11	62.6	6	57.14	11	39.1	6	32.14	43	76.3	2
26	9.84	11	62.0	8	57.03	10	38.5	8	31.71	41	76.1	8
36	9.73		61.2		56.93		37.7		31.30		75.3	
Mittl. Ort	6.64		33.3		53.64		13.8		27.26		80.2	
sec δ, tg δ	1.055		+0.337		1.006		+0.112		2.463		−2.251	

Allgemeine Präzession = 50″.259

$$A = t - 0.02526 \sin 2\odot + 0.00293 \sin(\odot + 81^\circ 46') - 0.34213 \sin \Omega + 0.00409 \sin 2\Omega$$

$$[A' = -0.00405 \sin 2☾ + 0.00134 \sin(☾ - 204^\circ 21')]$$

$$B = -0''.5519 \cos 2\odot - 0.0092 \cos(\odot + 281^\circ 27') - 9.2100 \cos \Omega + 0.0895 \cos 2\Omega$$

$$[B' = -0.0884 \cos 2☾]$$

$$C = -20''.47 \cos \odot \cos \varepsilon$$

$$D = -20''.47 \sin \odot$$

$$E = -0''.0031 \sin 2\odot - 0.0418 \sin \Omega + 0.0014 \sin 2\Omega$$

$$a = 46''.0889 + 20''.0456 \sin \alpha \operatorname{tg} \delta \qquad a' = 20''.0456 \cos \alpha$$

$$b = \cos \alpha \operatorname{tg} \delta \qquad b' = -\sin \alpha$$

$$c = \cos \alpha \sec \delta \qquad c' = \operatorname{tg} \varepsilon \cos \delta - \sin \alpha \sin \delta$$

$$d = \sin \alpha \sec \delta \qquad d' = \cos \alpha \sin \delta$$

$\odot$ = wahre Länge der Sonne
Ω = Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik
☾ = mittlere Länge des Mondes
m, m' = jährliche Eigenbewegung in AR. und Dekl.
t = Zeit seit Anfang des Jahres, in Teilen des Jahres ausgedrückt.

$$\text{Scheinb. AR.} = \text{AR. } 1914.0 + tm + Aa + Bb + Cc + Dd + E + [A'a + B'b]$$

$$\text{Scheinb. Dekl.} = \text{Dekl. } 1914.0 + tm' + Aa' + Bb' + Cc' + Dd' \quad + [A'a' + B'b']$$

Setzt man

$$f = 46''.0889\, A + E \qquad h \sin H = C$$

$$g \cos G = 20''.0456\, A \qquad h \cos H = D$$

$$g \sin G = B \qquad i = C \operatorname{tg} \varepsilon$$

$$[f' = -0''.1865 \sin 2☾ + 0''.0618 \sin(☾ - 204^\circ 21')]$$

$$[g' \cos G' = -0''.0811 \sin 2☾ + 0''.0269 \sin(☾ - 204^\circ 21')]$$

$$[g' \sin G' = -0''.0884 \cos 2☾],$$

so wird

$$\text{Scheinb. AR.} = \text{AR. } 1914.0 + tm + f + g \sin(G + \alpha) \operatorname{tg} \delta + h \sin(H + \alpha) \sec \delta + [f' + g' \sin(G' + \alpha) \operatorname{tg} \delta]$$

$$\text{Scheinb. Dekl.} = \text{Dekl. } 1914.0 + tm' + g \cos(G + \alpha) + h \cos(H + \alpha) \sin \delta + i \cos \delta + [g' \cos(G' + \alpha)]$$

Korrektion für die tägliche Aberration, wenn Θ die Sternzeit, φ die Polhöhe ist:

$$\Delta \alpha = + 0^s.0213 \cos \varphi \cos(\Theta - \alpha) \sec \delta$$

$$\Delta \delta = + 0''.320 \cos \varphi \sin(\Theta - \alpha) \sin \delta.$$

Konstanten für die Sternzeitepochen

$18^h\ 40^m$ des Normalmeridians oder $12^h\ 28^m$ Berlin,
ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

Datum in Mittl. Zeit	*t*	log. *A*	log. *B*	log. *C*	log. *D*	*E*
1914 Jan. 0.74	0.000	8.8805	0.9249_n	0.5114_n	1.3045	+0.01
10.71	0.027	9.0588	0.9291_n	0.8102_n	1.2838	0.01
20.69	0.055	9.1789	0.9359_n	0.9763_n	1.2474	0.01
30.66	0.082	9.2664	0.9442_n	1.0855_n	1.1927	0.01
Febr. 9.63	0.109	9.3330	0.9528_n	1.1612_n	1.1144	0.01
19.60	0.137	9.3851	0.9605_n	1.2138_n	1.0022	+0.01
März 1.58	0.164	9.4273	0.9664_n	1.2483_n	0.8320	0.01
11.55	0.191	9.4628	0.9698_n	1.2678_n	0.5242	0.01
21.52	0.218	9.4943	0.9703_n	1.2737_n	9.2712_n	0.01
31.50	0.246	9.5236	0.9676_n	1.2665_n	0.5673_n	0.01
April 10.47	0.273	9.5522	0.9621_n	1.2461_n	0.8494_n	+0.01
20.44	0.300	9.5812	0.9541_n	1.2114_n	1.0096_n	0.01
30.41	0.328	9.6110	0.9444_n	1.1601_n	1.1161_n	0.01
Mai 10.39	0.355	9.6416	0.9340_n	1.0878_n	1.1910_n	0.01
20.36	0.382	9.6727	0.9237_n	0.9864_n	1.2439_n	0.01
30.33	0.410	9.7038	0.9147_n	0.8377_n	1.2798_n	+0.01
Juni 9.30	0.437	9.7343	0.9078_n	0.5897_n	1.3016_n	0.01
19.28	0.464	9.7636	0.9038_n	9.9002_n	1.3107_n	0.01
29.25	0.491	9.7911	0.9031_n	0.3649	1.3078_n	0.01
Juli 9.22	0.519	9.8166	0.9054_n	0.7294	1.2927_n	0.02
19.20	0.546	9.8397	0.9103_n	0.9172	1.2644_n	+0.02
29.17	0.573	9.8604	0.9171_n	1.0390	1.2211_n	0.02
Aug. 8.14	0.601	9.8786	0.9248_n	1.1245	1.1592_n	0.02
18.11	0.628	9.8946	0.9323_n	1.1857	1.0723_n	0.02
28.09	0.655	9.9086	0.9387_n	1.2287	0.9471_n	0.02
Sept. 7.06	0.683	9.9210	0.9430_n	1.2566	0.7506_n	+0.02
17.03	0.710	9.9324	0.9447_n	1.2711	0.3488_n	0.02
27.00	0.737	9.9431	0.9434_n	1.2729	0.0967	0.02
Okt. 6.98	0.765	9.9538	0.9388_n	1.2618	0.6734	0.02
16.95	0.792	9.9649	0.9312_n	1.2371	0.9063	0.02
26.92	0.819	9.9767	0.9210_n	1.1967	1.0486	+0.02
Nov. 5.90	0.846	9.9894	0.9092_n	1.1371	1.1457	0.02
15.87	0.874	0.0032	0.8966_n	1.0518	1.2142	0.02
25.84	0.901	0.0177	0.8847_n	0.9277	1.2618	0.02
Dez. 5.81	0.928	0.0328	0.8748_n	0.7317	1.2924	0.02
15.79	0.956	0.0481	0.8679_n	0.3306	1.3083	+0.02
25.76	0.983	0.0632	0.8649_n	0.0728_n	1.3103	0.02
35.73	1.010	0.0776	0.8659_n	0.6505_n	1.2984	0.02

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	t	f	log. g	G	log. h	H	log. i	☾
Jan. 0	−0.0007	+3″.46	0.9316	280° 8′	1.3101	351° 5′	0.1380_n	910
1	+0.0021	3.65	0.9326	280 39	1.3099	350 8	0.1809_n	946
2	0.0048	3.83	0.9337	281 10	1.3097	349 12	0.2198_n	983
3	0.0075	4.01	0.9348	281 40	1.3094	348 15	0.2554_n	019
4	0.0103	4.19	0.9360	282 10	1.3092	347 19	0.2881_n	056
5	0.0130	+4.36	0.9372	282 39	1.3089	346 22	0.3185_n	093
6	0.0158	4.54	0.9385	283 8	1.3086	345 25	0.3467_n	129
7	0.0185	4.72	0.9398	283 37	1.3082	344 29	0.3731_n	166
8	0.0212	4.90	0.9412	284 6	1.3079	343 32	0.3978_n	202
9	0.0240	5.07	0.9426	284 34	1.3075	342 35	0.4211_n	239
10	0.0267	+5.25	0.9441	285 2	1.3071	341 38	0.4430_n	276
11	0.0295	5.42	0.9456	285 29	1.3067	340 40	0.4638_n	312
12	0.0322	5.59	0.9471	285 56	1.3063	339 43	0.4835_n	349
13	0.0349	5.77	0.9487	286 22	1.3058	338 45	0.5022_n	385
14	0.0377	5.94	0.9503	286 48	1.3054	337 48	0.5199_n	422
15	0.0404	+6.11	0.9520	287 14	1.3049	336 50	0.5369_n	459
16	0.0431	6.28	0.9537	287 39	1.3044	335 53	0.5531_n	495
17	0.0459	6.45	0.9554	288 4	1.3039	334 55	0.5685_n	532
18	0.0486	6.62	0.9571	288 28	1.3034	333 57	0.5833_n	568
19	0.0514	6.78	0.9589	288 52	1.3028	332 59	0.5975_n	605
20	0.0541	+6.94	0.9607	289 16	1.3023	332 0	0.6111_n	642
21	0.0568	7.10	0.9625	289 39	1.3017	331 2	0.6241_n	678
22	0.0596	7.26	0.9643	290 2	1.3011	330 4	0.6367_n	715
23	0.0623	7.42	0.9662	290 24	1.3006	329 5	0.6487_n	751
24	0.0650	7.58	0.9680	290 46	1.3000	328 6	0.6603_n	788
25	0.0678	+7.74	0.9699	291 7	1.2994	327 7	0.6714_n	825
26	0.0705	7.90	0.9718	291 28	1.2988	326 8	0.6821_n	861
27	0.0733	8.05	0.9736	291 48	1.2982	325 8	0.6925_n	898
28	0.0760	8.20	0.9755	292 8	1.2976	324 9	0.7024_n	934
29	0.0787	8.35	0.9773	292 28	1.2969	323 10	0.7121_n	971
30	0.0815	+8.50	0.9792	292 47	1.2963	322 10	0.7213_n	008
31	0.0842	8.65	0.9811	293 6	1.2956	321 10	0.7302_n	044
Febr. 1	0.0869	8.79	0.9830	293 25	1.2950	320 10	0.7388_n	081
2	0.0897	8.94	0.9848	293 43	1.2943	319 10	0.7471_n	117
3	0.0924	9.08	0.9867	294 1	1.2936	318 9	0.7552_n	154
4	0.0952	+9.23	0.9886	294 18	1.2930	317 9	0.7629_n	191
5	0.0979	9.37	0.9905	294 35	1.2923	316 8	0.7704_n	227
6	0.1006	9.51	0.9923	294 52	1.2917	315 7	0.7776_n	264

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12^h Mittl. Zeit	t	f	log. g	G	log. h	H	log. i	☾
Febr. 6	0.1006	+ 9.51	0.9923	294° 52′	1.2917	315° 7′	0.7776_n	264
7	0.1034	9.65	0.9941	295 8	1.2910	314 6	0.7845_n	300
8	0.1061	9.78	0.9959	295 24	1.2903	313 4	0.7912_n	337
9	0.1089	9.92	0.9977	295 40	1.2897	312 3	0.7977_n	374
10	0.1116	10.05	0.9995	295 55	1.2890	311 2	0.8039_n	410
11	0.1143	+10.18	1.0013	296 10	1.2884	310 0	0.8099_n	447
12	0.1171	10.31	1.0030	296 25	1.2877	308 58	0.8157_n	483
13	0.1198	10.44	1.0047	296 40	1.2871	307 56	0.8213_n	520
14	0.1225	10.57	1.0064	296 54	1.2864	306 54	0.8267_n	557
15	0.1253	10.70	1.0081	297 8	1.2858	305 51	0.8318_n	593
16	0.1280	+10.82	1.0097	297 22	1.2852	304 49	0.8368_n	630
17	0.1308	10.94	1.0114	297 36	1.2846	303 46	0.8416_n	666
18	0.1335	11.07	1.0130	297 49	1.2840	302 43	0.8462_n	703
19	0.1362	11.19	1.0146	298 2	1.2834	301 40	0.8506_n	740
20	0.1390	11.31	1.0162	298 15	1.2828	300 37	0.8549_n	776
21	0.1417	+11.42	1.0178	298 28	1.2822	299 34	0.8589_n	813
22	0.1444	11.54	1.0193	298 40	1.2817	298 31	0.8628_n	849
23	0.1472	11.65	1.0208	298 53	1.2811	297 27	0.8665_n	886
24	0.1499	11.77	1.0222	299 5	1.2806	296 24	0.8701_n	923
25	0.1527	11.88	1.0236	299 17	1.2801	295 20	0.8735_n	959
26	0.1554	+12.00	1.0250	299 29	1.2796	294 16	0.8767_n	996
27	0.1581	12.11	1.0264	299 41	1.2791	293 12	0.8798_n	032
28	0.1609	12.22	1.0278	299 53	1.2786	292 8	0.8827_n	069
März 1	0.1636	12.33	1.0291	300 5	1.2782	291 4	0.8854_n	106
2	0.1663	12.44	1.0304	300 16	1.2777	289 59	0.8880_n	142
3	0.1691	+12.55	1.0317	300 28	1.2773	288 55	0.8905_n	179
4	0.1718	12.66	1.0330	300 39	1.2769	287 50	0.8928_n	215
5	0.1746	12.76	1.0343	300 51	1.2765	286 46	0.8950_n	252
6	0.1773	12.87	1.0355	301 2	1.2762	285 41	0.8970_n	289
7	0.1800	12.97	1.0367	301 13	1.2759	284 36	0.8989_n	325
8	0.1828	+13.08	1.0378	301 24	1.2756	283 32	0.9006_n	362
9	0.1855	13.18	1.0389	301 35	1.2753	282 27	0.9022_n	398
10	0.1883	13.29	1.0400	301 46	1.2750	281 22	0.9037_n	435
11	0.1910	13.39	1.0411	301 57	1.2748	280 17	0.9050_n	472
12	0.1937	13.49	1.0422	302 8	1.2746	279 12	0.9062_n	508
13	0.1965	+13.59	1.0432	302 19	1.2744	278 7	0.9073_n	545
14	0.1992	13.69	1.0442	302 30	1.2742	277 2	0.9082_n	581
15	0.2019	13.79	1.0452	302 41	1.2741	275 57	0.9090_n	618

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12^h Mittl. Zeit	t	f	log. g	G	log. h	H	log. i	☾
März 15	0.2019	+13″.79	1.0452	302° 41′	1.2741	275° 57′	0.9090_n	618
16	0.2047	13.89	1.0462	302 53	1.2739	274 52	0.9096_n	655
17	0.2074	13.99	1.0472	303 4	1.2738	273 47	0.9102_n	691
18	0.2102	14.09	1.0481	303 15	1.2738	272 42	0.9106_n	728
19	0.2129	14.19	1.0490	303 26	1.2737	271 37	0.9108_n	764
20	0.2156	+14.29	1.0499	303 38	1.2737	270 32	0.9109_n	801
21	0.2184	14.39	1.0508	303 49	1.2737	269 27	0.9109_n	838
22	0.2211	14.49	1.0516	304 1	1.2737	268 22	0.9108_n	874
23	0.2238	14.59	1.0524	304 12	1.2738	267 18	0.9105_n	911
24	0.2266	14.69	1.0532	304 24	1.2738	266 13	0.9102_n	947
25	0.2293	+14.79	1.0540	304 36	1.2739	265 8	0.9096_n	984
26	0.2321	14.89	1.0548	304 48	1.2740	264 4	0.9090_n	021
27	0.2348	14.99	1.0556	305 0	1.2742	262 59	0.9082_n	057
28	0.2375	15.09	1.0563	305 12	1.2744	261 54	0.9073_n	094
29	0.2403	15.19	1.0571	305 24	1.2746	260 50	0.9063_n	130
30	0.2430	+15.30	1.0578	305 36	1.2748	259 46	0.9051_n	167
31	0.2457	15.40	1.0585	305 48	1.2750	258 42	0.9038_n	204
April 1	0.2485	15.50	1.0592	306 1	1.2753	257 38	0.9023_n	240
2	0.2512	15.61	1.0599	306 13	1.2756	256 34	0.9008_n	277
3	0.2540	15.71	1.0606	306 26	1.2759	255 30	0.8991_n	313
4	0.2567	+15.82	1.0613	306 39	1.2762	254 26	0.8972_n	350
5	0.2594	15.92	1.0620	306 52	1.2765	253 22	0.8953_n	387
6	0.2622	16.02	1.0627	307 5	1.2769	252 19	0.8931_n	423
7	0.2649	16.13	1.0634	307 18	1.2773	251 16	0.8909_n	460
8	0.2677	16.23	1.0641	307 31	1.2777	250 12	0.8885_n	496
9	0.2704	+16.34	1.0647	307 45	1.2781	249 9	0.8860_n	533
10	0.2731	16.45	1.0654	307 58	1.2785	248 7	0.8833_n	570
11	0.2759	16.56	1.0660	308 12	1.2790	247 4	0.8805_n	606
12	0.2786	16.67	1.0667	308 26	1.2794	246 1	0.8775_n	643
13	0.2813	16.78	1.0673	308 40	1.2799	244 59	0.8744_n	680
14	0.2841	+16.89	1.0680	308 54	1.2804	243 57	0.8712_n	716
15	0.2868	17.01	1.0686	309 8	1.2809	242 55	0.8678_n	753
16	0.2996	17.12	1.0692	309 22	1.2814	241 53	0.8642_n	789
17	0.2923	17.24	1.0699	309 37	1.2820	240 52	0.8605_n	826
18	0.2950	17.39	1.0706	309 52	1.2825	239 50	0.8566_n	863
19	0.2978	+17.47	1.0713	310 7	1.2831	238 49	0.8526_n	899
20	0.3005	17.59	1.0720	310 22	1.2837	237 48	0.8484_n	936
21	0.3032	17.71	1.0728	310 37	1.2842	236 47	0.8441_n	972

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit		t	f	log. g	G	log. h	H	log. i	☾
April	21	0.3032	+17.71	1.0728	310 37	1.2842	236° 47'	0.8441_n	972
	22	0.3060	17.83	1.0735	310 52	1.2848	235 47	0.8395_n	009
	23	0.3087	17.95	1.0743	311 8	1.2854	234 46	0.8349_n	046
	24	0.3115	18.07	1.0750	311 23	1.2860	233 46	0.8300_n	082
	25	0.3142	18.20	1.0758	311 39	1.2866	232 46	0.8249_n	119
	26	0.3169	+18.32	1.0766	311 54	1.2873	231 46	0.8197_n	155
	27	0.3197	18.45	1.0774	312 10	1.2879	230 46	0.8143_n	192
	28	0.3224	18.58	1.0782	312 26	1.2885	229 47	0.8087_n	229
	29	0.3251	18.71	1.0791	312 42	1.2891	228 48	0.8028_n	265
	30	0.3279	18.84	1.0799	312 58	1.2898	227 49	0.7968_n	302
Mai	1	0.3306	+18.97	1.0808	313 14	1.2904	226 50	0.7906_n	338
	2	0.3334	19.10	1.0817	313 30	1.2910	225 51	0.7842_n	375
	3	0.3361	19.24	1.0826	313 46	1.2917	224 53	0.7775_n	412
	4	0.3388	19.38	1.0835	314 2	1.2923	223 55	0.7707_n	448
	5	0.3416	19.51	1.0845	314 18	1.2929	222 57	0.7635_n	485
	6	0.3443	+19.65	1.0854	314 34	1.2936	221 59	0.7562_n	521
	7	0.3471	19.79	1.0864	314 51	1.2942	221 1	0.7486_n	558
	8	0.3498	19.93	1.0874	315 7	1.2948	220 3	0.7407_n	595
	9	0.3525	20.08	1.0884	315 24	1.2954	219 6	0.7326_n	631
	10	0.3553	20.22	1.0895	315 40	1.2961	218 9	0.7242_n	668
	11	0.3580	+20.37	1.0906	315 57	1.2967	217 12	0.7155_n	704
	12	0.3607	20.51	1.0917	316 13	1.2973	216 15	0.7065_n	741
	13	0.3635	20.66	1.0928	316 30	1.2979	215 19	0.6972_n	778
	14	0.3662	20.81	1.0939	316 46	1.2985	214 23	0.6876_n	814
	15	0.3690	20.96	1.0951	317 3	1.2991	213 27	0.6776_n	851
	16	0.3717	+21.11	1.0963	317 20	1.2996	212 31	0.6673_n	887
	17	0.3744	21.26	1.0975	317 36	1.3002	211 35	0.6566_n	924
	18	0.3772	21.41	1.0988	317 52	1.3007	210 39	0.6455_n	961
	19	0.3799	21.57	1.1001	318 8	1.3013	209 43	0.6339_n	997
	20	0.3826	21.73	1.1014	318 24	1.3018	208 48	0.6220_n	034
	21	0.3854	+21.88	1.1028	318 40	1.3024	207 53	0.6096_n	070
	22	0.3881	22.04	1.1041	318 56	1.3029	206 58	0.5967_n	107
	23	0.3909	22.20	1.1055	319 12	1.3034	206 3	0.5833_n	144
	24	0.3936	22.36	1.1069	319 28	1.3039	205 8	0.5694_n	180
	25	0.3963	22.52	1.1083	319 44	1.3043	204 14	0.5549_n	217
	26	0.3991	+22.68	1.1097	320 0	1.3048	203 19	0.5397_n	253
	27	0.4018	22.85	1.1112	320 15	1.3053	202 25	0.5239_n	290
	28	0.4045	23.01	1.1127	320 31	1.3057	201 31	0.5074_n	327

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12ʰ Mittl. Zeit		t	f	log. g	G	log. h	H	log. i	☾
Mai	28	0.4045	+23.01"	1.1127	320° 31'	1.3057	201° 31'	0.5074_n	327
	29	0.4073	23.18	1.1142	320 46	1.3061	200 37	0.4900_n	363
	30	0.4100	23.34	1.1157	321 1	1.3065	199 43	0.4719_n	400
	31	0.4128	23.51	1.1173	321 16	1.3069	198 49	0.4528_n	436
Juni	1	0.4155	23.68	1.1189	321 31	1.3073	197 55	0.4328_n	473
	2	0.4182	+23.84	1.1205	321 45	1.3076	197 2	0.4116_n	510
	3	0.4210	24.01	1.1221	322 0	1.3080	196 8	0.3892_n	546
	4	0.4237	24.18	1.1237	322 14	1.3083	195 15	0.3655_n	583
	5	0.4265	24.35	1.1254	322 28	1.3086	194 22	0.3403_n	619
	6	0.4292	24.52	1.1271	322 42	1.3089	193 28	0.3135_n	656
	7	0.4319	+24.69	1.1288	322 56	1.3092	192 35	0.2847_n	693
	8	0.4347	24.87	1.1305	323 10	1.3094	191 42	0.2538_n	729
	9	0.4374	25.04	1.1322	323 24	1.3097	190 49	0.2204_n	766
	10	0.4401	25.22	1.1340	323 37	1.3099	189 56	0.1841_n	802
	11	0.4429	25.39	1.1358	323 50	1.3101	189 3	0.1443_n	839
	12	0.4456	+25.57	1.1376	324 3	1.3103	188 10	0.1004_n	876
	13	0.4484	25.74	1.1394	324 16	1.3105	187 18	0.0515_n	912
	14	0.4511	25.92	1.1412	324 28	1.3106	186 25	9.9960_n	949
	15	0.4538	26.09	1.1430	324 41	1.3107	185 32	9.9325_n	985
	16	0.4566	26.27	1.1448	324 53	1.3108	184 40	9.8578_n	022
	17	0.4593	+26.44	1.1466	325 5	1.3109	183 47	9.7675_n	059
	18	0.4620	26.62	1.1485	325 17	1.3110	182 55	9.6533_n	095
	19	0.4648	26.79	1.1503	325 29	1.3111	182 2	9.4978_n	132
	20	0.4675	26.97	1.1522	325 40	1.3111	181 9	9.2529_n	168
	21	0.4703	27.14	1.1541	325 51	1.3111	180 17	8.6375_n	205
	22	0.4730	+27.32	1.1560	326 2	1.3111	179 24	8.9652	242
	23	0.4757	27.50	1.1579	326 13	1.3111	178 32	9.3577	278
	24	0.4785	27.67	1.1598	326 23	1.3111	177 39	9.5604	315
	25	0.4812	27.85	1.1617	326 33	1.3110	176 47	9.6979	351
	26	0.4839	28.03	1.1636	326 43	1.3109	175 54	9.8021	388
	27	0.4867	+28.21	1.1655	326 53	1.3108	175 2	9.8860	425
	28	0.4894	28.38	1.1674	327 3	1.3107	174 9	9.9562	461
	29	0.4922	28.55	1.1693	327 12	1.3106	173 17	0.0164	498
	30	0.4949	28.73	1.1712	327 21	1.3104	172 24	0.0692	534
Juli	1	0.4976	28.90	1.1731	327 30	1.3102	171 31	0.1162	571
	2	0.5004	+29.08	1.1750	327 39	1.3100	170 39	0.1585	608
	3	0.5031	29.25	1.1769	327 48	1.3098	169 46	0.1969	644
	4	0.5059	29.42	1.1788	327 56	1.3096	168 53	0.2321	681

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12^h Mittl. Zeit		t	f	log. g	G	log. h	H	log. i	☾
Juli	4	0.5059	+29.42″	1.1788	327° 56′	1.3096	168° 53′	0.2321	681
	5	0.5086	29.59	1.1807	328 4	1.3094	168 0	0.2645	717
	6	0.5113	29.77	1.1826	328 12	1.3091	167 7	0.2946	754
	7	0.5141	29.94	1.1845	328 20	1.3088	166 14	0.3226	791
	8	0.5168	30.11	1.1864	328 27	1.3085	165 21	0.3487	827
	9	0.5195	+30.28	1.1883	328 34	1.3082	164 28	0.3733	864
	10	0.5223	30.45	1.1901	328 41	1.3079	163 35	0.3965	900
	11	0.5250	30.62	1.1920	328 48	1.3075	162 41	0.4184	937
	12	0.5278	30.79	1.1938	328 55	1.3072	161 48	0.4391	974
	13	0.5305	30.96	1.1957	329 2	1.3068	160 55	0.4588	010
	14	0.5332	+31.12	1.1975	329 8	1.3064	160 1	0.4775	047
	15	0.5360	31.28	1.1994	329 14	1.3060	159 7	0.4953	083
	16	0.5387	31.45	1.2012	329 20	1.3056	158 14	0.5123	120
	17	0.5414	31.61	1.2030	329 26	1.3051	157 20	0.5285	157
	18	0.5442	31.77	1.2048	329 32	1.3047	156 26	0.5440	193
	19	0.5469	+31.93	1.2066	329 38	1.3042	155 32	0.5589	230
	20	0.5497	32.09	1.2083	329 43	1.3037	154 37	0.5732	266
	21	0.5524	32.25	1.2101	329 48	1.3032	153 43	0.5869	303
	22	0.5551	32.41	1.2118	329 53	1.3027	152 48	0.6001	340
	23	0.5579	32.57	1.2136	329 58	1.3022	151 53	0.6127	376
	24	0.5606	+32.72	1.2153	330 3	1.3017	150 59	0.6249	413
	25	0.5633	32.88	1.2170	330 8	1.3012	150 4	0.6367	449
	26	0.5661	33.03	1.2187	330 12	1.3006	149 8	0.6480	486
	27	0.5688	33.18	1.2204	330 16	1.3001	148 13	0.6589	523
	28	0.5716	33.33	1.2221	330 20	1.2995	147 18	0.6695	559
	29	0.5743	+33.48	1.2238	330 24	1.2989	146 22	0.6796	596
	30	0.5770	33.63	1.2254	330 28	1.2983	145 26	0.6895	632
	31	0.5798	33.78	1.2270	330 32	1.2978	144 30	0.6989	669
Aug.	1	0.5825	33.93	1.2286	330 36	1.2972	143 34	0.7081	706
	2	0.5853	34.08	1.2302	330 40	1.2966	142 38	0.7170	742
	3	0.5880	+34.22	1.2318	330 43	1.2960	141 42	0.7256	779
	4	0.5907	34.36	1.2334	330 47	1.2953	140 45	0.7339	815
	5	0.5935	34.50	1.2349	330 50	1.2947	139 48	0.7419	852
	6	0.5962	34.64	1.2364	330 53	1.2941	138 51	0.7496	889
	7	0.5989	34.78	1.2379	330 56	1.2935	137 54	0.7571	925
	8	0.6017	+34.92	1.2394	331 0	1.2929	136 57	0.7644	962
	9	0.6044	35.05	1.2409	331 3	1.2922	135 59	0.7714	998
	10	0.6072	35.19	1.2424	331 6	1.2916	135 2	0.7782	035

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	t	f	log. g	G	log. h	H	log. i	☾
Aug. 10	0.6072	+35.19″	1.2424	331° 6′	1.2916	135° 2′	0.7782	035
11	0.6099	35.32	1.2438	331 9	1.2910	134 4	0.7848	072
12	0.6126	35.46	1.2452	331 12	1.2904	133 6	0.7911	108
13	0.6154	35.59	1.2466	331 15	1.2897	132 8	0.7972	145
14	0.6181	35.72	1.2480	331 18	1.2891	131 9	0.8032	181
15	0.6208	+35.85	1.2494	331 20	1.2885	130 10	0.8089	218
16	0.6236	35.97	1.2508	331 23	1.2879	129 12	0.8145	255
17	0.6263	36.10	1.2521	331 25	1.2873	128 13	0.8198	291
18	0.6291	36.22	1.2534	331 28	1.2867	127 14	0.8250	328
19	0.6318	36.35	1.2547	331 30	1.2861	126 14	0.8300	364
20	0.6345	+36.47	1.2560	331 32	1.2855	125 15	0.8348	401
21	0.6373	36.59	1.2573	331 35	1.2849	124 15	0.8394	438
22	0.6400	36.71	1.2586	331 37	1.2843	123 15	0.8439	474
23	0.6427	36.83	1.2598	331 40	1.2837	122 15	0.8482	511
24	0.6455	36.95	1.2610	331 42	1.2831	121 14	0.8524	547
25	0.6482	+37.06	1.2622	331 45	1.2826	120 14	0.8564	584
26	0.6510	37.18	1.2634	331 48	1.2820	119 13	0.8602	621
27	0.6537	37.29	1.2645	331 51	1.2815	118 12	0.8639	657
28	0.6564	37.41	1.2657	331 53	1.2810	117 11	0.8674	694
29	0.6592	37.52	1.2668	331 56	1.2805	116 10	0.8708	730
30	0.6619	+37.63	1.2679	331 58	1.2800	115 9	0.8740	767
31	0.6647	37.74	1.2690	332 1	1.2795	114 7	0.8771	804
Sept. 1	0.6674	37.85	1.2701	332 3	1.2790	113 5	0.8801	840
2	0.6701	37.96	1.2712	332 6	1.2786	112 3	0.8829	877
3	0.6729	38.07	1.2723	332 9	1.2781	111 1	0.8855	913
4	0.6756	+38.18	1.2733	332 12	1.2777	109 59	0.8880	950
5	0.6783	38.28	1.2743	332 14	1.2773	108 57	0.8904	987
6	0.6811	38.39	1.2753	332 17	1.2770	107 55	0.8927	023
7	0.6838	38.49	1.2763	332 20	1.2766	106 52	0.8948	060
8	0.6866	38.60	1.2773	332 23	1.2762	105 49	0.8968	096
9	0.6893	+38.70	1.2783	332 26	1.2759	104 46	0.8986	133
10	0.6920	38.80	1.2792	332 29	1.2756	103 43	0.9003	170
11	0.6948	38.90	1.2802	332 32	1.2753	102 40	0.9019	206
12	0.6975	39.01	1.2811	332 35	1.2751	101 37	0.9034	243
13	0.7002	39.11	1.2820	332 38	1.2748	100 34	0.9047	279
14	0.7030	+39.21	1.2829	332 41	1.2746	99 30	0.9059	316
15	0.7057	39.31	1.2838	332 44	1.2744	98 27	0.9070	353
16	0.7085	39.41	1.2847	332 48	1.2742	97 23	0.9079	389

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12^h Mittl. Zeit		t	f	log. g	G	log. h	H	log. i	☾
Sept.	16	0.7085	+39.41″	1.2847	332° 48′	1.2742	97° 23′	0.9079	389
	17	0.7112	39.51	1.2856	332 51	1.2741	96 19	0.9087	426
	18	0.7139	39.61	1.2864	332 55	1.2740	95 16	0.9094	462
	19	0.7167	39.71	1.2873	332 58	1.2739	94 12	0.9100	499
	20	0.7194	39.81	1.2881	333 2	1.2738	93 8	0.9104	536
	21	0.7221	+39.91	1.2890	333 6	1.2737	92 4	0.9107	572
	22	0.7249	40.00	1.2898	333 10	1.2737	91 0	0.9109	609
	23	0.7276	40.10	1.2906	333 14	1.2737	89 56	0.9110	645
	24	0.7304	40.20	1.2914	333 18	1.2737	88 52	0.9109	682
	25	0.7331	40.30	1.2922	333 22	1.2737	87 48	0.9107	719
	26	0.7358	+40.40	1.2930	333 26	1.2738	86 44	0.9104	755
	27	0.7386	40.50	1.2938	333 30	1.2739	85 40	0.9099	792
	28	0.7413	40.60	1.2946	333 35	1.2740	84 35	0.9093	828
	29	0.7441	40.70	1.2954	333 39	1.2741	83 31	0.9086	865
	30	0.7468	40.80	1.2962	333 44	1.2743	82 27	0.9078	902
Okt.	1	0.7495	+40.90	1.2970	333 49	1.2745	81 23	0.9068	938
	2	0.7523	41.00	1.2977	333 54	1.2747	80 19	0.9057	975
	3	0.7550	41.10	1.2985	333 59	1.2749	79 15	0.9045	011
	4	0.7577	41.20	1.2993	334 4	1.2751	78 11	0.9031	048
	5	0.7605	41.30	1.3001	334 9	1.2754	77 7	0.9016	085
	6	0.7632	+41.41	1.3008	334 14	1.2757	76 3	0.9000	121
	7	0.7660	41.51	1.3016	334 19	1.2760	74 59	0.8982	158
	8	0.7687	41.61	1.3023	334 24	1.2763	73 55	0.8963	195
	9	0.7714	41.71	1.3031	334 29	1.2767	72 51	0.8942	231
	10	0.7742	41.82	1.3038	334 35	1.2771	71 47	0.8920	268
	11	0.7769	+41.92	1.3046	334 40	1.2775	70 43	0.8897	304
	12	0.7796	42.03	1.3053	334 46	1.2779	69 40	0.8872	341
	13	0.7824	42.14	1.3061	334 52	1.2783	68 37	0.8846	378
	14	0.7851	42.25	1.3069	334 58	1.2788	67 33	0.8818	414
	15	0.7879	42.36	1.3076	335 4	1.2792	66 30	0.8789	451
	16	0.7906	+42.48	1.3084	335 10	1.2797	65 27	0.8758	487
	17	0.7933	42.59	1.3092	335 16	1.2802	64 24	0.8726	524
	18	0.7961	42.70	1.3100	335 23	1.2807	63 21	0.8692	561
	19	0.7988	42.81	1.3108	335 29	1.2813	62 18	0.8656	597
	20	0.8015	42.93	1.3116	335 36	1.2818	61 15	0.8619	634
	21	0.8043	+43.04	1.3124	335 42	1.2823	60 12	0.8580	670
	22	0.8070	43.16	1.3132	335 49	1.2829	59 10	0.8540	707
	23	0.8098	43.28	1.3140	335 55	1.2835	58 8	0.8498	744

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit		t	f	log. g	G	log. h	H	log. i	☾
Okt.	23	0.8098	+43.28″	1.3140	335° 55′	1.2835	58° 8′	0.8498	744
	24	0.8125	43.40	1.3149	336 2	1.2841	57 5	0.8454	780
	25	0.8152	43.52	1.3157	336 8	1.2847	56 3	0.8408	817
	26	0.8180	43.64	1.3166	336 15	1.2853	55 1	0.8360	853
	27	0.8207	43.76	1.3174	336 22	1.2859	53 59	0.8311	890
	28	0.8235	+43.89	1.3183	336 29	1.2865	52 58	0.8259	927
	29	0.8262	44.02	1.3191	336 36	1.2872	51 56	0.8206	963
	30	0.8289	44.15	1.3200	336 43	1.2878	50 55	0.8151	000
	31	0.8317	44.28	1.3209	336 50	1.2884	49 54	0.8093	036
Nov.	1	0.8344	44.41	1.3218	336 57	1.2891	48 53	0.8033	073
	2	0.8371	+44.54	1.3227	337 4	1.2897	47 52	0.7971	110
	3	0.8399	44.67	1.3236	337 11	1.2904	46 51	0.7907	146
	4	0.8426	44.80	1.3246	337 18	1.2910	45 50	0.7841	183
	5	0.8454	44.94	1.3255	337 25	1.2917	44 50	0.7772	219
	6	0.8481	45.08	1.3265	337 32	1.2924	43 50	0.7700	256
	7	0.8508	+45.22	1.3274	337 40	1.2930	42 49	0.7626	293
	8	0.8536	45.36	1.3284	337 47	1.2937	41 49	0.7550	329
	9	0.8563	45.50	1.3294	337 54	1.2943	40 49	0.7470	366
	10	0.8590	45.64	1.3304	338 1	1.2950	39 50	0.7388	402
	11	0.8618	45.79	1.3314	338 9	1.2956	38 50	0.7302	439
	12	0.8645	+45.93	1.3324	338 16	1.2963	37 51	0.7214	476
	13	0.8673	46.08	1.3335	338 24	1.2969	36 52	0.7122	512
	14	0.8700	46.23	1.3345	338 31	1.2975	35 52	0.7027	549
	15	0.8727	46.38	1.3356	338 38	1.2981	34 53	0.6928	585
	16	0.8755	46.53	1.3366	338 45	1.2988	33 54	0.6826	622
	17	0.8782	+46.69	1.3377	338 52	1.2994	32 56	0.6720	659
	18	0.8809	46.84	1.3388	338 59	1.3000	31 57	0.6609	695
	19	0.8837	47.00	1.3399	339 6	1.3006	30 59	0.6495	732
	20	0.8864	47.16	1.3410	339 13	1.3011	30 1	0.6375	768
	21	0.8892	47.32	1.3421	339 20	1.3017	29 2	0.6251	805
	22	0.8919	+47.48	1.3432	339 27	1.3023	28 4	0.6122	842
	23	0.8946	47.64	1.3444	339 34	1.3028	27 6	0.5987	878
	24	0.8974	47.80	1.3456	339 41	1.3033	26 9	0.5847	915
	25	0.9001	47.97	1.3468	339 48	1.3038	25 11	0.5701	951
	26	0.9029	48.13	1.3480	339 55	1.3043	24 13	0.5548	988
	27	0.9056	+48.30	1.3492	340 1	1.3048	23 16	0.5387	025
	28	0.9083	48.47	1.3504	340 8	1.3053	22 19	0.5220	061
	29	0.9111	48.64	1.3516	340 14	1.3058	21 22	0.5044	098

Konstanten für die mittleren Tage 1914,

ohne Berücksichtigung der von der Mondlänge abhängenden Glieder der Nutation.

12h Mittl. Zeit	t	f	log. g	G	log. h	H	log. i	☾
Nov. 29	0.9111	+48.64″	1.3516	340° 14′	1.3058	21° 22′	0.5044	098
30	0.9138	48.81	1.3528	340 21	1.3062	20 24	0.4859	134
Dez. 1	0.9165	48.98	1.3541	340 27	1.3066	19 27	0.4665	171
2	0.9193	49.15	1.3553	340 33	1.3070	18 30	0.4460	208
3	0.9220	49.32	1.3566	340 39	1.3074	17 34	0.4243	244
4	0.9248	+49.49	1.3578	340 45	1.3078	16 37	0.4014	281
5	0.9275	49.67	1.3591	340 51	1.3082	15 40	0.3769	317
6	0.9302	49.84	1.3603	340 57	1.3085	14 43	0.3509	354
7	0.9330	50.02	1.3616	341 3	1.3088	13 47	0.3232	391
8	0.9357	50.20	1.3629	341 9	1.3091	12 50	0.2933	427
9	0.9384	+50.38	1.3642	341 14	1.3094	11 54	0.2610	464
10	0.9412	50.55	1.3655	341 20	1.3097	10 58	0.2261	500
11	0.9439	50.73	1.3668	341 25	1.3099	10 1	0.1878	537
12	0.9467	50.91	1.3681	341 30	1.3101	9 5	0.1458	574
13	0.9494	51.09	1.3695	341 35	1.3103	8 9	0.0991	610
14	0.9521	+51.27	1.3708	341 40	1.3105	7 13	0.0466	647
15	0.9549	51.45	1.3721	341 45	1.3106	6 16	9.9867	683
16	0.9576	51.63	1.3734	341 50	1.3108	5 20	9.9170	720
17	0.9603	51.82	1.3748	341 54	1.3109	4 24	9.8337	757
18	0.9631	52.00	1.3761	341 59	1.3110	3 28	9.7304	793
19	0.9658	+52.18	1.3775	342 3	1.3111	2 32	9.5944	830
20	0.9686	52.36	1.3788	342 7	1.3111	1 36	9.3951	866
21	0.9713	52.55	1.3801	342 11	1.3111	0 40	9.0154	903
22	0.9740	52.73	1.3814	342 15	1.3111	359 44	8.6160_n	940
23	0.9768	52.91	1.3828	342 19	1.3111	358 48	9.2698_n	976
24	0.9795	+53.09	1.3841	342 23	1.3111	357 52	9.5197_n	013
25	0.9823	53.28	1.3855	342 27	1.3110	356 56	9.6773_n	049
26	0.9850	53.46	1.3868	342 31	1.3109	356 0	9.7925_n	086
27	0.9877	53.64	1.3882	342 34	1.3108	355 3	9.8834_n	123
28	0.9905	53.82	1.3895	342 37	1.3107	354 7	9.9584_n	159
29	0.9932	+54.01	1.3909	342 40	1.3105	353 11	0.0223_n	196
30	0.9959	54.19	1.3922	342 43	1.3104	352 15	0.0778_n	232
31	0.9987	54.37	1.3935	342 46	1.3102	351 18	0.1269_n	269
32	1.0014	54.55	1.3948	342 49	1.3100	350 22	0.1709_n	306
33	1.0042	54.73	1.3962	342 52	1.3097	349 26	0.2107_n	342
34	1.0069	+54.90	1.3975	342 55	1.3095	348 29	0.2470_n	379
35	1.0096	55.08	1.3988	342 57	1.3092	347 33	0.2804_n	415
36	1.0124	55.26	1.4001	343 0	1.3089	346 36	0.3113_n	452

Konstanten zur Berücksichtigung der Nutations-glieder von kurzer Periode für 1914.

☾	log. A′	log. B′	f′	log. g′	G′	☾	log. A′	log. B′	f′	log. g′	G′
000	6.743	8.946$_n$	+0″.03	8.950	277°.2	350	7.404	8.436	+0″.12	8.761	28°.3
010	5.496$_n$	8.943$_n$	0.00	8.943	269.6	360	7.428	8.219	+0.12	8.750	17.1
020	6.785$_n$	8.933$_n$	−0.03	8.937	261.9	370	7.442	7.744	+0.13	8.746	5.7
030	7.070$_n$	8.915$_n$	−0.05	8.932	254.0	380	7.447	7.744$_n$	+0.13	8.751	354.4
040	7.235$_n$	8.889$_n$	−0.08	8.928	246.0	390	7.442	8.219$_n$	+0.13	8.763	343.4
050	7.348$_n$	8.854$_n$	−0.10	8.926	238.0	400	7.428	8.436$_n$	+0.12	8.780	333.1
060	7.432$_n$	8.809$_n$	−0.12	8.925	229.9	410	7.405	8.576$_n$	+0.12	8.801	323.5
070	7.496$_n$	8.751$_n$	−0.14	8.926	221.9	420	7.369	8.675$_n$	+0.11	8.824	314.7
080	7.546$_n$	8.675$_n$	−0.16	8.929	213.9	430	7.321	8.751$_n$	+0.10	8.847	306.7
090	7.585$_n$	8.576$_n$	−0.18	8.934	206.0	440	7.256	8.809$_n$	+0.08	8.869	299.3
100	7.615$_n$	8.436$_n$	−0.19	8.939	198.3	450	7.168	8.854$_n$	+0.07	8.889	292.4
110	7.636$_n$	8.219$_n$	−0.20	8.946	190.8	460	7.045	8.889$_n$	+0.05	8.906	286.0
120	7.650$_n$	7.744$_n$	−0.21	8.953	183.5	470	6.855	8.915$_n$	+0.03	8.921	279.9
130	7.658$_n$	7.744	−0.21	8.961	176.5	480	6.472	8.933$_n$	+0.01	8.934	274.0
140	7.659$_n$	8.219	−0.21	8.968	169.7	490	6.087$_n$	8.943$_n$	−0.01	8.943	268.4
150	7.654$_n$	8.436	−0.21	8.975	163.2	500	6.743$_n$	8.946$_n$	−0.03	8.950	262.8
160	7.643$_n$	8.576	−0.20	8.982	156.9	510	6.992$_n$	8.943$_n$	−0.05	8.954	257.3
170	7.625$_n$	8.675	−0.19	8.987	150.8	520	7.147$_n$	8.933$_n$	−0.06	8.955	251.8
180	7.601$_n$	8.751	−0.18	8.990	144.8	530	7.256$_n$	8.915$_n$	−0.08	8.953	246.3
190	7.568$_n$	8.809	−0.17	8.992	139.0	540	7.339$_n$	8.889$_n$	−0.10	8.949	240.6
200	7.528$_n$	8.854	−0.16	8.993	133.4	550	7.402$_n$	8.854$_n$	−0.12	8.943	234.7
210	7.476$_n$	8.889	−0.14	8.991	127.8	560	7.452$_n$	8.809$_n$	−0.13	8.934	228.6
220	7.413$_n$	8.915	−0.12	8.988	122.2	570	7.491$_n$	8.751$_n$	−0.14	8.923	222.2
230	7.332$_n$	8.933	−0.10	8.982	116.7	580	7.520$_n$	8.675$_n$	−0.15	8.911	215.5
240	7.229$_n$	8.943	−0.08	8.973	111.1	590	7.541$_n$	8.576$_n$	−0.16	8.898	208.4
250	7.087$_n$	8.946	−0.06	8.962	105.5	600	7.553$_n$	8.436$_n$	−0.17	8.885	200.9
260	6.874$_n$	8.943	−0.04	8.949	99.7	610	7.559$_n$	8.219$_n$	−0.17	8.872	192.9
270	6.441$_n$	8.933	−0.01	8.933	93.7	620	7.557$_n$	7.744$_n$	−0.17	8.860	184.4
280	6.266	8.915	+0.01	8.915	87.4	630	7.547$_n$	7.744	−0.16	8.851	175.5
290	6.797	8.889	+0.03	8.895	80.8	640	7.530$_n$	8.219	−0.16	8.844	166.3
300	7.019	8.854	+0.05	8.872	73.7	650	7.503$_n$	8.436	−0.15	8.841	156.8
310	7.155	8.809	+0.07	8.848	66.0	660	7.466$_n$	8.576	−0.14	8.843	147.3
320	7.249	8.751	+0.08	8.824	57.7	670	7.417$_n$	8.675	−0.12	8.849	137.9
330	7.318	8.675	+0.09	8.800	48.7	680	7.352$_n$	8.751	−0.10	8.858	128.6
340	7.368	8.576	+0.11	8.778	38.9	690	7.264$_n$	8.809	−0.08	8.870	119.7
350	7.404	8.436	+0.12	8.761	28.3	700	7.142$_n$	8.854	−0.06	8.885	111.2

Konstanten zur Berücksichtigung der Nutationsglieder von kurzer Periode für 1914.

☾	log. A'	log. B'	f'	log. g'	G'	☾	log. A'	log. B'	f'	log. g'	G'
700	7.142$_n$	8.854	—0".06	8.885	111°.2	850	7.713	8.436	+0".24	9.029	14°.8
710	6.955$_n$	8.889	—0.04	8.901	103.1	860	7.722	8.219	+0.24	9.029	8.9
720	6.593$_n$	8.915	—0.02	8.917	95.5	870	7.725	7.744	+0.24	9.028	3.0
730	6.138	8.933	+0.01	8.932	88.2	880	7.722	7.744$_n$	+0.24	9.025	357.0
740	6.831	8.943	+0.03	8.948	81.2	890	7.714	8.219$_n$	+0.24	9.022	350.9
750	7.087	8.946	+0.06	8.963	74.5	900	7.700	8.436$_n$	+0.23	9.018	344.8
760	7.246	8.943	+0.08	8.976	68.1	910	7.680	8.576$_n$	+0.22	9.013	338.6
770	7.360	8.933	+0.10	8.987	61.8	920	7.652	8.675$_n$	+0.21	9.007	332.2
780	7.446	8.915	+0.13	8.998	55.7	930	7.617	8.751$_n$	+0.19	9.001	325.8
790	7.515	8.889	+0.15	9.007	49.8	940	7.572	8.809$_n$	+0.17	8.995	319.3
800	7.570	8.854	+0.17	9.014	43.9	950	7.516	8.854$_n$	+0.15	8.988	312.6
810	7.614	8.809	+0.19	9.020	38.0	960	7.445	8.889$_n$	+0.13	8.980	305.8
820	7.649	8.751	+0.21	9.024	32.2	970	7.354	8.915$_n$	+0.11	8.973	298.9
830	7.677	8.675	+0.22	9.027	26.4	980	7.233	8.933$_n$	+0.08	8.965	291.8
840	7.698	8.576	+0.23	9.029	20.6	990	7.055	8.943$_n$	+0.05	8.957	284.6
850	7.713	8.436	+0.24	9.029	14.8	000	6.743	8.946$_n$	+0.03	8.950	277.2

Korrektion der Schiefe der Ekliptik für die Glieder von kurzer Periode.

Argument ☾		Δε	Argument ☾		Δε	Argument ☾		Δε
000	500	+0".09	200	700	—0".07	400	900	+0".03
020	520	+0.09	220	720	—0.08	420	920	+0.05
040	540	+0.08	240	740	—0.09	440	940	+0.07
060	560	+0.07	260	760	—0.09	460	960	+0.08
080	580	+0.05	280	780	—0.08	480	980	+0.09
100	600	+0.03	300	800	—0.07	500	000	+0.09
120	620	+0.01	320	820	—0.06			
140	640	—0.02	340	840	—0.04			
160	660	—0.04	360	860	—0.02			
180	680	—0.06	380	880	+0.01			
200	700	—0.07	400	900	+0.03			

Konstanten für die Sterntage 1914,

gültig für die Sternzeitepochen $12^h\ 27^m.7$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	C
Jan. 0.741	0.0000	8.9038	0.9273_n	0.5114_n	1.3045	−3.247
1.739	0.0027	8.9164	0.9290_n	0.5532_n	1.3031	3.575
2.736	0.0055	8.9262	0.9300_n	0.5912_n	1.3015	3.901
3.733	0.0082	8.9352	0.9301_n	0.6260_n	1.2998	4.226
4.730	0.0109	8.9454	0.9293_n	0.6580_n	1.2980	4.550
5.728	0.0136	8.9583	0.9280_n	0.6878_n	1.2960	−4.873
6.725	0.0164	8.9746	0.9263_n	0.7155_n	1.2938	5.194
7.722	0.0191	8.9942	0.9249_n	0.7414_n	1.2915	5.513
8.720	0.0218	9.0159	0.9240_n	0.7657_n	1.2891	5.830
9.717	0.0246	9.0383	0.9240_n	0.7886_n	1.2865	6.146
10.714	0.0273	9.0600	0.9249_n	0.8102_n	1.2838	−6.461
11.711	0.0300	9.0796	0.9268_n	0.8307_n	1.2809	
12.709	0.0328	9.0962	0.9292_n	0.8501_n	1.2778	
13.706	0.0355	9.1097	0.9319_n	0.8686_n	1.2746	
14.703	0.0382	9.1200	0.9344_n	0.8861_n	1.2712	
15.700	0.0410	9.1281	0.9363_n	0.9029_n	1.2677	
16.698	0.0437	9.1350	0.9374_n	0.9189_n	1.2640	
17.695	0.0464	9.1417	0.9375_n	0.9342_n	1.2601	
18.692	0.0491	9.1495	0.9370_n	0.9488_n	1.2561	
19.689	0.0519	9.1590	0.9358_n	0.9628_n	1.2518	
20.687	0.0546	9.1705	0.9346_n	0.9763_n	1.2474	
21.684	0.0573	9.1839	0.9336_n	0.9892_n	1.2428	
22.681	0.0601	9.1982	0.9333_n	1.0016_n	1.2381	
23.679	0.0628	9.2126	0.9338_n	1.0135_n	1.2331	
24.676	0.0655	9.2261	0.9353_n	1.0250_n	1.2280	
25.673	0.0683	9.2378	0.9376_n	1.0360_n	1.2226	
26.670	0.0710	9.2473	0.9403_n	1.0467_n	1.2171	
27.668	0.0737	9.2543	0.9431_n	1.0569_n	1.2113	
28.665	0.0764	9.2591	0.9456_n	1.0668_n	1.2053	
29.662	0.0792	9.2624	0.9474_n	1.0763_n	1.1991	
30.659	0.0819	9.2649	0.9484_n	1.0855_n	1.1927	
31.657	0.0846	9.2678	0.9485_n	1.0943_n	1.1861	
Febr. 1.654	0.0874	9.2717	0.9479_n	1.1028_n	1.1792	
2.651	0.0901	9.2773	0.9469_n	1.1111_n	1.1721	
3.649	0.0928	9.2847	0.9458_n	1.1190_n	1.1647	
4.646	0.0956	9.2937	0.9451_n	1.1267_n	1.1570	
5.643	0.0983	9.3038	0.9451_n	1.1341_n	1.1491	
6.640	0.1010	9.3140	0.9460_n	1.1413_n	1.1409	

$E = +0.01$

Konstanten für die Sterntage 1914,

gültig für die Sternzeitepochen $12^h\,27^m.7$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
Febr. 6.640	0.1010	9.3140	0.9460_n	1.1413_n	1.1409	
7.638	0.1038	9.3237	0.9478_n	1.1482_n	1.1324	
8.635	0.1065	9.3321	0.9502_n	1.1548_n	1.1236	
9.632	0.1092	9.3390	0.9529_n	1.1612_n	1.1144	
10.629	0.1120	9.3441	0.9556_n	1.1674_n	1.1050	
11.627	0.1147	9.3478	0.9579_n	1.1734_n	1.0952	
12.624	0.1174	9.3505	0.9594_n	1.1791_n	1.0850	
13.621	0.1201	9.3529	0.9601_n	1.1847_n	1.0745	
14.618	0.1229	9.3558	0.9599_n	1.1900_n	1.0635	
15.616	0.1256	9.3596	0.9590_n	1.1951_n	1.0522	
16.613	0.1283	9.3648	0.9579_n	1.2001_n	1.0404	
17.610	0.1311	9.3713	0.9568_n	1.2048_n	1.0282	
18.608	0.1338	9.3788	0.9562_n	1.2094_n	1.0155	
19.605	0.1365	9.3869	0.9563_n	1.2138_n	1.0022	
20.602	0.1393	9.3947	0.9573_n	1.2180_n	0.9884	
21.599	0.1420	9.4017	0.9591_n	1.2220_n	0.9740	
22.597	0.1447	9.4074	0.9614_n	1.2259_n	0.9590	
23.594	0.1474	9.4115	0.9639_n	1.2296_n	0.9434	
24.591	0.1502	9.4141	0.9663_n	1.2331_n	0.9270	
25.588	0.1529	9.4154	0.9681_n	1.2365_n	0.9098	
26.586	0.1556	9.4160	0.9691_n	1.2397_n	0.8918	
27.583	0.1584	9.4165	0.9692_n	1.2427_n	0.8729	
28.580	0.1611	9.4176	0.9685_n	1.2456_n	0.8530	
März 1.578	0.1638	9.4198	0.9673_n	1.2483_n	0.8320	
2.575	0.1666	9.4233	0.9659_n	1.2509_n	0.8098	+6.454
3.572	0.1693	9.4282	0.9646_n	1.2534_n	0.7864	+6.114
4.569	0.1720	9.4341	0.9639_n	1.2557_n	0.7614	5.773
5.567	0.1747	9.4404	0.9640_n	1.2578_n	0.7348	5.430
6.564	0.1775	9.4467	0.9649_n	1.2598_n	0.7063	5.085
7.561	0.1802	9.4524	0.9665_n	1.2617_n	0.6757	4.739
8.559	0.1829	9.4571	0.9686_n	1.2634_n	0.6427	+4.392
9.556	0.1857	9.4605	0.9707_n	1.2650_n	0.6068	4.044
10.553	0.1884	9.4627	0.9725_n	1.2665_n	0.5675	3.694
11.550	0.1911	9.4641	0.9737_n	1.2678_n	0.5242	3.344
12.548	0.1939	9.4651	0.9741_n	1.2690_n	0.4761	2.993
13.545	0.1966	9.4663	0.9736_n	1.2700_n	0.4218	+2.641
14.542	0.1993	9.4681	0.9724_n	1.2709_n	0.3595	2.288
15.539	0.2021	9.4709	0.9707_n	1.2717_n	0.2868	1.935

$E = +0.01$

Konstanten für die Sterntage 1914,

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Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
März 15.539	0.2021	9.4709	0.9707_n	1.2717_n	0.2868	+1.935
16.537	0.2048	9.4748	0.9689_n	1.2724_n	0.1992	1.582
17.534	0.2075	9.4798	0.9674_n	1.2729_n	0.0893	1.228
18.531	0.2102	9.4854	0.9665_n	1.2733_n	9.9418	0.875
19.528	0.2130	9.4912	0.9664_n	1.2735_n	9.7167	0.521
20.526	0.2157	9.4965	0.9671_n	1.2737_n	9.2226	+0.167
21.523	0.2184	9.5010	0.9684_n	1.2737_n	9.2712_n	−0.187
22.520	0.2212	9.5044	0.9701_n	1.2735_n	9.7325_n	0.540
23.518	0.2239	9.5065	0.9718_n	1.2733_n	9.9509_n	0.893
24.515	0.2266	9.5075	0.9730_n	1.2729_n	0.0954_n	1.246
25.512	0.2294	9.5078	0.9736_n	1.2724_n	0.2035_n	−1.598
26.509	0.2321	9.5078	0.9733_n	1.2717_n	0.2898_n	1.949
27.507	0.2348	9.5082	0.9721_n	1.2709_n	0.3616_n	2.300
28.504	0.2375	9.5093	0.9703_n	1.2700_n	0.4231_n	2.649
29.501	0.2403	9.5114	0.9681_n	1.2690_n	0.4768_n	2.998
30.498	0.2430	9.5148	0.9659_n	1.2678_n	0.5245_n	−3.346
31.496	0.2457	9.5192	0.9641_n	1.2665_n	0.5673_n	3.692
April 1.493	0.2485	9.5241	0.9630_n	1.2651_n	0.6061_n	4.037
2.490	0.2512	9.5293	0.9628_n	1.2635_n	0.6416_n	4.381
3.487	0.2539	9.5342	0.9633_n	1.2618_n	0.6742_n	4.723
4.485	0.2567	9.5383	0.9644_n	1.2600_n	0.7045_n	−5.064
5.482	0.2594	9.5416	0.9658_n	1.2580_n	0.7326_n	5.403
6.479	0.2621	9.5438	0.9669_n	1.2559_n	0.7589_n	5.740
7.476	0.2649	9.5453	0.9676_n	1.2537_n	0.7836_n	6.075
8.474	0.2676	9.5463	0.9675_n	1.2513_n	0.8068_n	6.409
9.471	0.2703	9.5473	0.9666_n	1.2488_n	0.8286_n	
10.468	0.2730	9.5488	0.9648_n	1.2461_n	0.8494_n	
11.466	0.2758	9.5510	0.9624_n	1.2433_n	0.8690_n	
12.463	0.2785	9.5542	0.9598_n	1.2404_n	0.8876_n	
13.460	0.2812	9.5583	0.9573_n	1.2373_n	0.9054_n	
14.457	0.2840	9.5631	0.9553_n	1.2340_n	0.9223_n	
15.455	0.2867	9.5682	0.9541_n	1.2306_n	0.9385_n	
16.452	0.2894	9.5733	0.9537_n	1.2271_n	0.9539_n	
17.449	0.2922	9.5778	0.9542_n	1.2234_n	0.9687_n	
18.446	0.2949	9.5814	0.9551_n	1.2196_n	0.9829_n	
19.444	0.2976	9.5840	0.9562_n	1.2156_n	0.9965_n	
20.441	0.3003	9.5856	0.9570_n	1.2114_n	1.0096_n	
21.438	0.3031	9.5866	0.9572_n	1.2071_n	1.0221_n	

$E = +0\overset{s}{.}01$

Konstanten für die Sterntage 1914,

gültig für die Sternzeitepochen $12^h\ 27^m.7$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D
April 21.438	0.3031	9.5866	0.9572$_n$	1.2071$_n$	1.0221$_n$
22.436	0.3058	9.5871	0.9566$_n$	1.2026$_n$	1.0341$_n$
23.433	0.3085	9.5878	0.9550$_n$	1.1979$_n$	1.0458$_n$
24.430	0.3113	9.5890	0.9527$_n$	1.1930$_n$	1.0569$_n$
25.427	0.3140	9.5910	0.9499$_n$	1.1880$_n$	1.0677$_n$
26.425	0.3167	9.5939	0.9470$_n$	1.1828$_n$	1.0781$_n$
27.422	0.3195	9.5978	0.9443$_n$	1.1774$_n$	1.0881$_n$
28.419	0.3222	9.6024	0.9423$_n$	1.1718$_n$	1.0978$_n$
29.416	0.3249	9.6073	0.9411$_n$	1.1661$_n$	1.1071$_n$
30.414	0.3277	9.6121	0.9408$_n$	1.1601$_n$	1.1161$_n$
Mai 1.411	0.3304	9.6164	0.9413$_n$	1.1539$_n$	1.1248$_n$
2.408	0.3331	9.6201	0.9422$_n$	1.1475$_n$	1.1332$_n$
3.406	0.3358	9.6229	0.9431$_n$	1.1409$_n$	1.1413$_n$
4.403	0.3386	9.6250	0.9436$_n$	1.1340$_n$	1.1492$_n$
5.400	0.3413	9.6266	0.9435$_n$	1.1270$_n$	1.1567$_n$
6.397	0.3440	9.6281	0.9425$_n$	1.1196$_n$	1.1641$_n$
7.395	0.3468	9.6298	0.9406$_n$	1.1121$_n$	1.1711$_n$
8.392	0.3495	9.6321	0.9379$_n$	1.1043$_n$	1.1780$_n$
9.389	0.3522	9.6351	0.9349$_n$	1.0962$_n$	1.1846$_n$
10.386	0.3550	9.6389	0.9319$_n$	1.0878$_n$	1.1910$_n$
11.384	0.3577	9.6434	0.9293$_n$	1.0792$_n$	1.1972$_n$
12.381	0.3604	9.6483	0.9274$_n$	1.0703$_n$	1.2031$_n$
13.378	0.3631	9.6533	0.9265$_n$	1.0610$_n$	1.2089$_n$
14.375	0.3659	9.6579	0.9265$_n$	1.0515$_n$	1.2144$_n$
15.373	0.3686	9.6619	0.9271$_n$	1.0416$_n$	1.2198$_n$
16.370	0.3713	9.6651	0.9281$_n$	1.0313$_n$	1.2250$_n$
17.367	0.3741	9.6675	0.9291$_n$	1.0207$_n$	1.2299$_n$
18.365	0.3768	9.6692	0.9295$_n$	1.0097$_n$	1.2348$_n$
19.362	0.3795	9.6704	0.9292$_n$	0.9983$_n$	1.2394$_n$
20.359	0.3823	9.6716	0.9280$_n$	0.9864$_n$	1.2439$_n$
21.356	0.3850	9.6730	0.9258$_n$	0.9741$_n$	1.2482$_n$
22.354	0.3877	9.6750	0.9231$_n$	0.9613$_n$	1.2523$_n$
23.351	0.3904	9.6778	0.9200$_n$	0.9481$_n$	1.2563$_n$
24.348	0.3932	9.6814	0.9172$_n$	0.9342$_n$	1.2601$_n$
25.345	0.3959	9.6856	0.9149$_n$	0.9198$_n$	1.2637$_n$
26.343	0.3986	9.6902	0.9134$_n$	0.9048$_n$	1.2672$_n$
27.340	0.4014	9.6948	0.9129$_n$	0.8891$_n$	1.2706$_n$
28.337	0.4041	9.6992	0.9134$_n$	0.8728$_n$	1.2738$_n$

$$E = +0''.01$$

Konstanten für die Sterntage 1914,

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Datum in Mittl. Zeit		t	log. A	log. B	log. C	log. D	C'
Mai	28.337	0.4041	9.6992	0.9134_n	0.8728_n	1.2738_n	−7.460
	29.335	0.4068	9.7030	0.9144_n	0.8556_n	1.2769_n	7.172
	30.332	0.4096	9.7062	0.9158_n	0.8377_n	1.2798_n	6.881
	31.329	0.4123	9.7087	0.9169_n	0.8188_n	1.2826_n	6.589
Juni	1.326	0.4150	9.7107	0.9174_n	0.7990_n	1.2852_n	6.295
	2.324	0.4178	9.7125	0.9170_n	0.7781_n	1.2877_n	−5.999
	3.321	0.4205	9.7143	0.9157_n	0.7560_n	1.2901_n	5.702
	4.318	0.4232	9.7165	0.9136_n	0.7326_n	1.2924_n	5.403
	5.315	0.4259	9.7193	0.9110_n	0.7077_n	1.2945_n	5.102
	6.313	0.4287	9.7226	0.9082_n	0.6813_n	1.2964_n	4.800
	7.310	0.4314	9.7267	0.9057_n	0.6530_n	1.2983_n	−4.497
	8.307	0.4341	9.7311	0.9040_n	0.6226_n	1.3000_n	4.193
	9.304	0.4369	9.7357	0.9031_n	0.5897_n	1.3016_n	3.888
	10.302	0.4396	9.7401	0.9033_n	0.5541_n	1.3031_n	3.582
	11.299	0.4423	9.7440	0.9043_n	0.5152_n	1.3044_n	3.275
	12.296	0.4451	9.7473	0.9059_n	0.4723_n	1.3056_n	−2.967
	13.294	0.4478	9.7500	0.9076_n	0.4246_n	1.3067_n	2.658
	14.291	0.4505	9.7519	0.9090_n	0.3709_n	1.3077_n	2.349
	15.288	0.4532	9.7534	0.9096_n	0.3094_n	1.3085_n	2.039
	16.285	0.4560	9.7547	0.9094_n	0.2376_n	1.3093_n	1.728
	17.283	0.4587	9.7561	0.9082_n	0.1515_n	1.3099_n	−1.417
	18.280	0.4614	9.7578	0.9063_n	0.0438_n	1.3104_n	1.106
	19.277	0.4642	9.7601	0.9039_n	9.9002_n	1.3107_n	0.795
	20.274	0.4669	9.7631	0.9016_n	9.6839_n	1.3110_n	0.483
	21.272	0.4696	9.7666	0.8996_n	9.2334_n	1.3111_n	−0.171
	22.269	0.4724	9.7706	0.8986_n	9.1482	1.3111_n	+0.141
	23.266	0.4751	9.7746	0.8984_n	9.6555	1.3110_n	0.452
	24.264	0.4778	9.7785	0.8994_n	9.8831	1.3108_n	0.764
	25.261	0.4806	9.7821	0.9011_n	0.0315	1.3104_n	1.075
	26.258	0.4833	9.7851	0.9032_n	0.1419	1.3099_n	1.386
	27.255	0.4860	9.7875	0.9053_n	0.2296	1.3093_n	+1.697
	28.253	0.4887	9.7895	0.9069_n	0.3026	1.3086_n	2.007
	29.250	0.4915	9.7911	0.9078_n	0.3649	1.3078_n	2.317
	30.247	0.4942	9.7927	0.9077_n	0.4192	1.3068_n	2.626
Juli	1.244	0.4969	9.7944	0.9067_n	0.4674	1.3058_n	2.934
	2.242	0.4997	9.7965	0.9050_n	0.5107	1.3046_n	+3.241
	3.239	0.5024	9.7992	0.9030_n	0.5499	1.3032_n	3.547
	4.236	0.5051	9.8024	0.9012_n	0.5858	1.3018_n	3.853

$$E = +0''.01$$

Konstanten für die Sterntage 1914,

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Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	C
Juli 4.236	0.5051	9.8024	0.9012_n	0.5858	1.3018_n	+3.853
5.233	0.5079	9.8060	0.8999_n	0.6188	1.3002_n	4.157
6.231	0.5106	9.8098	0.8996_n	0.6494	1.2985_n	4.461
7.228	0.5133	9.8136	0.9002_n	0.6779	1.2967_n	4.763
8.225	0.5160	9.8171	0.9018_n	0.7045	1.2947_n	5.063
9.223	0.5188	9.8200	0.9041_n	0.7294	1.2927_n	+5.363
10.220	0.5215	9.8224	0.9067_n	0.7529	1.2904_n	5.661
11.217	0.5242	9.8242	0.9090_n	0.7750	1.2881_n	5.957
12.214	0.5270	9.8255	0.9109_n	0.7960	1.2856_n	6.252
13.212	0.5297	9.8265	0.9118_n	0.8159	1.2830_n	6.545
14.209	0.5324	9.8275	0.9118_n	0.8348	1.2803_n	
15.206	0.5352	9.8287	0.9110_n	0.8528	1.2774_n	
16.203	0.5379	9.8303	0.9095_n	0.8700	1.2743_n	
17.201	0.5406	9.8324	0.9079_n	0.8864	1.2712_n	
18.198	0.5433	9.8351	0.9066_n	0.9021	1.2678_n	
19.195	0.5461	9.8381	0.9059_n	0.9172	1.2644_n	
20.193	0.5488	9.8413	0.9062_n	0.9316	1.2608_n	
21.190	0.5515	9.8445	0.9074_n	0.9454	1.2570_n	
22.187	0.5543	9.8474	0.9096_n	0.9587	1.2531_n	
23.184	0.5570	9.8499	0.9123_n	0.9715	1.2490_n	
24.182	0.5597	9.8520	0.9151_n	0.9838	1.2448_n	
25.179	0.5625	9.8535	0.9176_n	0.9957	1.2404_n	
26.176	0.5652	9.8547	0.9193_n	1.0071	1.2358_n	
27.173	0.5679	9.8558	0.9203_n	1.0181	1.2311_n	
28.171	0.5707	9.8569	0.9202_n	1.0288	1.2262_n	
29.168	0.5734	9.8583	0.9194_n	1.0390	1.2211_n	
30.165	0.5761	9.8601	0.9182_n	1.0489	1.2158_n	
31.162	0.5789	9.8624	0.9168_n	1.0585	1.2104_n	
Aug. 1.160	0.5816	9.8651	0.9159_n	1.0678	1.2047_n	
2.157	0.5843	9.8680	0.9157_n	1.0767	1.1989_n	
3.154	0.5870	9.8710	0.9164_n	1.0854	1.1928_n	
4.152	0.5898	9.8738	0.9181_n	1.0937	1.1865_n	
5.149	0.5925	9.8763	0.9205_n	1.1018	1.1801_n	
6.146	0.5952	9.8782	0.9233_n	1.1096	1.1733_n	
7.143	0.5980	9.8796	0.9261_n	1.1172	1.1664_n	
8.141	0.6007	9.8806	0.9285_n	1.1245	1.1592_n	
9.138	0.6034	9.8812	0.9300_n	1.1316	1.1518_n	
10.135	0.6062	9.8816	0.9307_n	1.1385	1.1442_n	

$E = +0''.01$

Konstanten für die Sterntage 1914,

gültig für die Sternzeitepochen $12^h\ 27^m.7$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
Aug. 10.135	0.6062	9.8816	0.9307_n	1.1385	1.1442_n	
11.132	0.6089	9.8822	0.9305_n	1.1451	1.1362_n	
12.130	0.6116	9.8831	0.9296_n	1.1515	1.1280_n	
13.127	0.6143	9.8843	0.9283_n	1.1577	1.1194_n	
14.124	0.6171	9.8861	0.9271_n	1.1637	1.1107_n	
15.122	0.6198	9.8883	0.9264_n	1.1695	1.1016_n	
16.119	0.6225	9.8907	0.9264_n	1.1751	1.0922_n	
17.116	0.6253	9.8931	0.9274_n	1.1805	1.0824_n	
18.113	0.6280	9.8955	0.9292_n	1.1857	1.0723_n	
19.111	0.6307	9.8975	0.9317_n	1.1908	1.0618_n	
20.108	0.6335	9.8990	0.9344_n	1.1957	1.0510_n	
21.105	0.6362	9.9002	0.9369_n	1.2004	1.0397_n	
22.102	0.6389	9.9010	0.9389_n	1.2049	1.0280_n	
23.100	0.6417	9.9015	0.9401_n	1.2093	1.0158_n	
24.097	0.6444	9.9021	0.9404_n	1.2135	1.0032_n	
25.094	0.6471	9.9028	0.9398_n	1.2175	0.9900_n	
26.092	0.6498	9.9039	0.9386_n	1.2214	0.9763_n	
27.089	0.6526	9.9054	0.9372_n	1.2251	0.9620_n	
28.086	0.6553	9.9073	0.9359_n	1.2287	0.9471_n	
29.083	0.6580	9.9095	0.9352_n	1.2321	0.9316_n	
30.081	0.6608	9.9118	0.9353_n	1.2354	0.9153_n	
31.078	0.6635	9.9141	0.9363_n	1.2386	0.8982_n	
Sept. 1.075	0.6662	9.9162	0.9381_n	1.2416	0.8804_n	
2.072	0.6690	9.9178	0.9404_n	1.2444	0.8616_n	
3.070	0.6717	9.9189	0.9428_n	1.2471	0.8418_n	
4.067	0.6744	9.9196	0.9450_n	1.2497	0.8209_n	−6.621
5.064	0.6771	9.9199	0.9464_n	1.2521	0.7989_n	6.293
6.061	0.6799	9.9200	0.9471_n	1.2544	0.7755_n	5.963
7.059	0.6826	9.9201	0.9468_n	1.2566	0.7506_n	5.632
8.056	0.6853	9.9205	0.9457_n	1.2586	0.7241_n	5.298
9.053	0.6881	9.9212	0.9441_n	1.2605	0.6958_n	−4.963
10.051	0.6908	9.9223	0.9423_n	1.2623	0.6652_n	4.626
11.048	0.6935	9.9238	0.9409_n	1.2639	0.6323_n	4.288
12.045	0.6963	9.9257	0.9401_n	1.2655	0.5964_n	3.949
13.042	0.6990	9.9277	0.9401_n	1.2668	0.5572_n	3.608
14.040	0.7017	9.9296	0.9410_n	1.2681	0.5140_n	−3.266
15.037	0.7045	9.9313	0.9426_n	1.2692	0.4657_n	2.922
16.034	0.7072	9.9327	0.9445_n	1.2702	0.4113_n	2.578

$E = +0.02$

Konstanten für die Sterntage 1914,

gültig für die Sternzeitepochen $12^h\ 27^m.7$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	D
Sept. 16.034	0.7072	9.9327	0.9445_n	1.2702	0.4113_n	−2.578
17.031	0.7099	9.9336	0.9465_n	1.2711	0.3488_n	2.232
18.029	0.7126	9.9342	0.9481_n	1.2718	0.2756_n	1.886
19.026	0.7154	9.9346	0.9489_n	1.2725	0.1874_n	1.540
20.023	0.7181	9.9349	0.9489_n	1.2729	0.0763_n	1.192
21.021	0.7208	9.9353	0.9479_n	1.2733	9.9264_n	−0.844
22.018	0.7236	9.9359	0.9462_n	1.2736	9.6953_n	0.496
23.015	0.7263	9.9370	0.9441_n	1.2737	9.1674_n	−0.147
24.012	0.7290	9.9385	0.9420_n	1.2737	9.3052	+0.202
25.010	0.7318	9.9403	0.9403_n	1.2735	9.7412	0.551
26.007	0.7345	9.9423	0.9393_n	1.2733	9.9544	+0.900
27.004	0.7372	9.9443	0.9392_n	1.2729	0.0967	1.249
28.001	0.7400	9.9462	0.9398_n	1.2724	0.2037	1.598
28.999	0.7427	9.9478	0.9412_n	1.2717	0.2894	1.947
29.996	0.7454	9.9489	0.9428_n	1.2709	0.3608	2.295
30.993	0.7481	9.9497	0.9442_n	1.2700	0.4221	+2.643
Okt. 1.990	0.7509	9.9500	0.9452_n	1.2690	0.4757	2.990
2.988	0.7536	9.9501	0.9453_n	1.2678	0.5233	3.337
3.985	0.7563	9.9502	0.9446_n	1.2665	0.5662	3.683
4.982	0.7591	9.9504	0.9429_n	1.2651	0.6051	4.028
5.980	0.7618	9.9508	0.9406_n	1.2635	0.6406	+4.372
6.977	0.7645	9.9517	0.9380_n	1.2618	0.6734	4.714
7.974	0.7673	9.9530	0.9355_n	1.2600	0.7038	5.056
8.971	0.7700	9.9547	0.9335_n	1.2580	0.7321	5.396
9.969	0.7727	9.9565	0.9323_n	1.2559	0.7586	5.736
10.966	0.7754	9.9584	0.9320_n	1.2537	0.7834	+6.073
11.963	0.7782	9.9602	0.9325_n	1.2513	0.8068	6.409
12.960	0.7809	9.9616	0.9336_n	1.2487	0.8288	
13.958	0.7836	9.9628	0.9348_n	1.2461	0.8497	
14.955	0.7864	9.9635	0.9358_n	1.2432	0.8696	
15.952	0.7891	9.9640	0.9361_n	1.2402	0.8884	
16.950	0.7918	9.9644	0.9356_n	1.2371	0.9063	
17.947	0.7946	9.9649	0.9342_n	1.2338	0.9235	
18.944	0.7973	9.9655	0.9319_n	1.2304	0.9398	
19.941	0.8000	9.9665	0.9290_n	1.2267	0.9555	
20.939	0.8028	9.9679	0.9260_n	1.2230	0.9704	
21.936	0.8055	9.9696	0.9232_n	1.2190	0.9848	
22.933	0.8082	9.9717	0.9210_n	1.2149	0.9986	

$$E = +0\overset{''}{.}02$$

Konstanten für die Sterntage 1914,

gültig für die Sternzeitepochen $12^h\ 27^m.7$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D
Okt. 22.933	0.8082	9.9717	0.9210_n	1.2149	0.9986
23.930	0.8109	9.9738	0.9197_n	1.2106	1.0118
24.928	0.8137	9.9758	0.9194_n	1.2062	1.0246
25.925	0.8164	9.9777	0.9198_n	1.2015	1.0368
26.922	0.8191	9.9791	0.9207_n	1.1967	1.0486
27.919	0.8219	9.9802	0.9216_n	1.1917	1.0599
28.917	0.8246	9.9809	0.9222_n	1.1865	1.0709
29.914	0.8273	9.9813	0.9220_n	1.1810	1.0814
30.911	0.8301	9.9816	0.9210_n	1.1754	1.0916
31.909	0.8328	9.9820	0.9189_n	1.1696	1.1014
Nov. 1.906	0.8355	9.9826	0.9161_n	1.1636	1.1109
2.903	0.8382	9.9836	0.9129_n	1.1573	1.1201
3.900	0.8410	9.9850	0.9096_n	1.1508	1.1289
4.898	0.8437	9.9867	0.9066_n	1.1441	1.1375
5.895	0.8464	9.9886	0.9045_n	1.1371	1.1457
6.892	0.8492	9.9907	0.9033_n	1.1299	1.1537
7.889	0.8519	9.9927	0.9030_n	1.1224	1.1614
8.887	0.8546	9.9945	0.9035_n	1.1146	1.1688
9.884	0.8574	9.9960	0.9044_n	1.1066	1.1760
10.881	0.8601	9.9972	0.9053_n	1.0983	1.1829
11.879	0.8628	9.9981	0.9056_n	1.0896	1.1896
12.876	0.8656	9.9988	0.9051_n	1.0807	1.1961
13.873	0.8683	9.9995	0.9037_n	1.0714	1.2024
14.870	0.8710	0.0003	0.9013_n	1.0618	1.2084
15.868	0.8737	0.0014	0.8982_n	1.0518	1.2142
16.865	0.8765	0.0029	0.8947_n	1.0415	1.2198
17.862	0.8792	0.0048	0.8914_n	1.0307	1.2252
18.859	0.8819	0.0069	0.8886_n	1.0196	1.2304
19.857	0.8847	0.0092	0.8868_n	1.0080	1.2355
20.854	0.8874	0.0115	0.8859_n	0.9959	1.2403
21.851	0.8901	0.0136	0.8860_n	0.9834	1.2450
22.848	0.8929	0.0155	0.8869_n	0.9703	1.2494
23.846	0.8956	0.0170	0.8880_n	0.9567	1.2537
24.843	0.8983	0.0181	0.8889_n	0.9425	1.2578
25.840	0.9010	0.0189	0.8892_n	0.9277	1.2618
26.838	0.9038	0.0196	0.8886_n	0.9122	1.2656
27.835	0.9065	0.0202	0.8870_n	0.8960	1.2692
28.832	0.9092	0.0210	0.8845_n	0.8790	1.2726

$E = +0''.02$

Konstanten für die Sterntage 1914,

gültig für die Sternzeitepochen $12^h\ 27^m.7$ Berlin.

Datum in Mittl. Zeit	t	log. A	log. B	log. C	log. D	C
Nov. 28.832	0.9092	0.0210	0.8845_n	0.8790	1.2726	
29.829	0.9120	0.0221	0.8814_n	0.8612	1.2759	
30.827	0.9147	0.0235	0.8781_n	0.8424	1.2791	
Dez. 1.824	0.9174	0.0253	0.8750_n	0.8227	1.2820	
2.821	0.9202	0.0273	0.8727_n	0.8019	1.2849	+6.337
3.818	0.9229	0.0295	0.8714_n	0.7799	1.2876	+6.024
4.816	0.9256	0.0317	0.8712_n	0.7565	1.2901	5.709
5.813	0.9284	0.0337	0.8719_n	0.7317	1.2924	5.392
6.810	0.9311	0.0354	0.8733_n	0.7053	1.2947	5.073
7.808	0.9338	0.0369	0.8748_n	0.6769	1.2968	4.752
8.805	0.9365	0.0381	0.8760_n	0.6464	1.2987	+4.430
9.802	0.9393	0.0390	0.8765_n	0.6135	1.3005	4.107
10.799	0.9420	0.0399	0.8760_n	0.5777	1.3021	3.782
11.797	0.9447	0.0409	0.8745_n	0.5386	1.3036	3.456
12.794	0.9475	0.0420	0.8721_n	0.4954	1.3050	3.129
13.791	0.9502	0.0435	0.8693_n	0.4472	1.3062	+2.800
14.788	0.9529	0.0453	0.8664_n	0.3929	1.3073	2.471
15.786	0.9557	0.0473	0.8639_n	0.3306	1.3083	2.141
16.783	0.9584	0.0496	0.8623_n	0.2577	1.3091	1.810
17.780	0.9611	0.0519	0.8618_n	0.1699	1.3098	1.479
18.778	0.9638	0.0541	0.8625_n	0.0595	1.3103	+1.147
19.775	0.9666	0.0561	0.8640_n	9.9108	1.3107	0.814
20.772	0.9693	0.0578	0.8660_n	9.6828	1.3110	0.482
21.769	0.9720	0.0591	0.8680_n	9.1727	1.3111	+0.149
22.767	0.9748	0.0601	0.8696_n	9.2649_n	1.3111	−0.184
23.764	0.9775	0.0609	0.8703_n	9.7135_n	1.3110	−0.517
24.761	0.9802	0.0616	0.8700_n	9.9293_n	1.3107	0.850
25.758	0.9830	0.0623	0.8687_n	0.0728_n	1.3103	1.183
26.756	0.9857	0.0633	0.8667_n	0.1803_n	1.3097	1.515
27.753	0.9884	0.0646	0.8643_n	0.2664_n	1.3090	1.847
28.750	0.9911	0.0662	0.8620_n	0.3380_n	1.3082	−2.178
29.747	0.9939	0.0680	0.8604_n	0.3994_n	1.3072	2.508
30.745	0.9966	0.0700	0.8596_n	0.4530_n	1.3061	2.838
31.742	0.9993	0.0720	0.8601_n	0.5006_n	1.3048	3.167
32.739	1.0021	0.0740	0.8615_n	0.5434_n	1.3035	3.495
33.737	1.0048	0.0757	0.8638_n	0.5823_n	1.3019	−3.822
34.734	1.0075	0.0772	0.8664_n	0.6178_n	1.3003	4.147
35.731	1.0103	0.0783	0.8689_n	0.6505_n	1.2984	4.472

$$E = +\dot{0}.02$$

Konstanten für die mittleren Tage 1914,

zur Reduktion von dem Mittl. Äquin. 1910.0 auf das jedesmalige wahre Äquinoktium.

12^h Mittl. Zeit	f	log. g	G	12^h Mittl. Zeit	f	log. g	G
1913 Dez. 30	+187.64	1.91402	354° 7.1	April 25	+202.55	1.94715	354 13.9
1914 Jan. 3	188.37	1.91569	354 7.5	29	203.06	1.94820	354 17.9
7	189.08	1.91733	354 7.5	Mai 3	203.59	1.94928	354 22.0
11	189.78	1.91893	354 7.1	7	204.15	1.95040	354 26.1
15	190.46	1.92051	354 6.3	11	204.72	1.95157	354 30.3
19	+191.13	1.92205	354 5.2	15	+205.31	1.95277	354 34.4
23	191.78	1.92354	354 3.9	19	205.92	1.95402	354 38.3
27	192.40	1.92497	354 2.3	23	206.55	1.95530	354 42.1
31	193.00	1.92635	354 0.6	27	207.20	1.95661	354 45.7
Febr. 4	193.58	1.92767	353 58.8	31	207.86	1.95796	354 49.1
8	+194.13	1.92894	353 57.0	Juni 4	+208.54	1.95933	354 52.2
12	194.66	1.93015	353 55.2	8	209.22	1.96072	354 55.0
16	195.17	1.93130	353 53.6	12	209.92	1.96214	354 57.4
20	195.66	1.93240	353 52.1	16	210.62	1.96356	354 59.5
24	196.13	1.93345	353 50.8	20	211.32	1.96499	355 1.2
28	+196.58	1.93446	353 49.7	24	+212.03	1.96642	355 2.6
März 4	197.01	1.93543	353 49.0	28	212.73	1.96784	355 3.6
8	197.43	1.93637	353 48.6	Juli 2	213.43	1.96926	355 4.2
12	197.84	1.93727	353 48.6	6	214.12	1.97067	355 4.5
16	198.24	1.93814	353 49.0	10	214.80	1.97205	355 4.4
20	+198.64	1.93900	353 49.8	14	+215.47	1.97340	355 4.1
24	199.04	1.93986	353 51.0	18	216.12	1.97471	355 3.5
28	199.45	1.94072	353 52.7	22	216.76	1.97599	355 2.7
April 1	199.86	1.94159	353 54.7	26	217.38	1.97725	355 1.7
5	200.27	1.94246	353 57.1	30	217.99	1.97847	355 0.4
9	+200.70	1.94334	353 59.9	Aug. 3	+218.57	1.97965	354 59.1
13	201.14	1.94425	354 3.0	7	219.13	1.98078	354 57.7
17	201.59	1.94518	354 6.4	11	219.68	1.98187	354 56.3
21	202.06	1.94614	354 10.0	15	220.20	1.98291	354 54.9
25	202.55	1.94715	354 13.9	19	220.70	1.98391	354 53.6

Konstanten für die mittleren Tage 1914,

zur Reduktion von dem Mittl. Äquin. 1910.0 auf das jedesmalige wahre Äquinoktium.

12h Mittl. Zeit		f	log. g	G	12h Mittl. Zeit		f	log. g	G
Aug.	19	+220.70"	1.98391	354° 53.6'	Okt.	30	+228.50"	1.99877	355° 15.0'
	23	221.18	1.98488	354 52.4	Nov.	3	229.02	1.99973	355 18.7
	27	221.65	1.98581	354 51.4		7	229.57	2.00073	355 22.5
	31	222.10	1.98670	354 50.5		11	230.14	2.00177	355 26.4
Sept.	4	222.53	1.98755	354 49.9		15	230.73	2.00285	355 30.2
	8	+222.95	1.98837	354 49.6		19	+231.35	2.00397	355 34.0
	12	223.36	1.98917	354 49.5		23	231.99	2.00513	355 37.6
	16	223.76	1.98995	354 49.8		27	232.65	2.00634	355 41.0
	20	224.16	1.99072	354 50.4	Dez.	1	233.33	2.00758	355 44.2
	24	224.55	1.99148	354 51.4		5	234.02	2.00884	355 47.1
	28	+224.95	1.99222	354 52.8		9	+234.73	2.01012	355 49.7
Okt.	2	225.35	1.99297	354 54.5		13	235.45	2.01142	355 52.0
	6	225.76	1.99373	354 56.5		17	236.17	2.01273	355 54.0
	10	226.18	1.99451	354 58.9		21	236.90	2.01405	355 55.5
	14	226.61	1.99530	355 1.6		25	237.63	2.01538	355 56.7
	18	+227.05	1.99612	355 4.6		29	+238.36	2.01670	355 57.5
	22	227.51	1.99697	355 7.8		33	239.08	2.01801	355 57.9
	26	228.00	1.99785	355 11.3		37	239.79	2.01930	355 58.0
	30	228.50	1.99877	355 15.0		41	240.49	2.02056	355 57.8

Red. in $\alpha = f + g \sin(G + \alpha) \operatorname{tg} \delta$

Red. in $\delta = g \cos(G + \alpha)$

Im Jahre 1914 werden zwei Sonnen- und zwei Mondfinsternisse stattfinden, von denen in unseren Gegenden die erste Mondfinsternis und die zweite Sonnenfinsternis zu sehen sein werden.

I. Ringförmige Sonnenfinsternis 1914 Februar 24,

unsichtbar in Berlin.

Elemente der Finsternis

nach wahrer Berliner Zeit τ.

	10h 2m 17s.2	11h 14m 17s.6	12h 26m 18s.1	13h 38m 18s.5	14h 50m 19s.0
τ	150°.5716	168°.5734	186°.5753	204°.5771	222°.5790
λ☾	334° 12′ 50″.4	334° 49′ 4″.7	335° 25′ 17″.7	336° 1′ 29″.3	336° 37′ 39″.8
β☾	−0 58 50.1	−0 55 32.4	−0 52 14.4	−0 48 56.0	−0 45 37.4
π☾	0 54 36.4	0 54 35.5	0 54 34.6	0 54 33.7	0 54 32.8
Δα′☉	−0 0 7.78	−0 0 2.86	+0 0 2.06	+0 0 6.97	+0 0 11.88
δ′☉	−9 31 0.4	−9 29 56.5	−9 28 52.5	−9 27 48.4	−9 26 44.3
N'	62 49 7.1	62 48 16.5	62 47 26.5	62 46 37.7	62 45 50.5
γ	−0.941811	−0.941785	−0.941760	−0.941736	−0.941714
u'_a	+0.569817	+0.569950	+0.570054	+0.570129	+0.570176
u'_i	−0.023294	−0.023426	−0.023530	−0.023605	−0.023651
log sin f_a	7.674303	7.674298	7.674293	7.674288	7.674284
log sin f_i	7.672132_n	7.672127_n	7.672123_n	7.672118_n	7.672113_n
log n	9.707977	9.707983	9.707982	9.707973	9.707957
μ	193°.3142	193°.3172	193°.3203	193°.3233	193°.3262
k	63° 13′ 22″.1	63° 12′ 27″.2	63° 11′ 32″.8	63° 10′ 39″.4	63° 9′ 47″.6
g	28 40 45.2	28 41 12.5	28 41 39.7	28 42 6.1	28 42 30.8
K	94 51 10.6	94 50 49.0	94 50 27.1	94 50 4.9	94 49 42.4
G	342 9 11.3	342 11 38.8	342 14 5.9	342 16 32.2	342 18 57.3

	Mittl. Zeit Berlin	O. L. Gr.	Breite
Beginn der Finsternis überhaupt . .	10h 39m.4	106° 24′	−62° 21′
Beginn der rinförmigen Finsternis . .	12 20.5	346 28	−79 14
Beginn der zentralen Finsternis . .	12 28.3	330 42	−77 11
Ende der zentralen Finsternis . . .	13 45.7	269 57	−42 42
Ende der ringförmigen Finsternis . .	13 51.3	267 11	−39 22
Ende der Finsternis überhaupt . . .	15 34.3	235 36	− 9 25

Grenzkurven für die Sichtbarkeit der Finsternis.

Westl. Grenze		Nördl. Grenze		Östl. Grenze	
O. L. Gr.	Breite	O. L. Gr.	Breite	O. L. Gr.	Breite
356° 20′	—80° 4′	106° 47′	—48° 18′	241° 19′	+ 5° 21′
31 23	78 23	116 53	49 55	244 39	5 12
55 6	74 3	131 5	50 49	248 59	3 19
69 9	68 52	143 20	50 28	253 22	+ 0 1
78 40	63 34	154 34	48 55	257 43	— 4 20
86 3	58 34	164 41	46 7	262 0	9 25
92 17	54 10	173 35	41 59	266 13	14 59
97 49	50 43	181 21	36 25	270 26	20 52
102 42	48 37	188 21	29 20	274 43	26 57
106 47	—48 18	195 20	21 0	279 12	33 11
		203 27	12 15	284 4	39 36
		213 42	— 4 23	289 46	46 27
		226 28	+ 1 37	305 27	61 7
		241 19	+ 5 21	29 41	—79 50

Die südliche Grenzkurve ist imaginär.

Kurve der zentralen Verfinsterung.

Mittl. Berl. Zeit	O. L. Gr.	Breite	Dauer der ringförmigen Verfinsterung
12h 28.3m	330° 42′	—77° 11′	
12 29.9	304 17	80 22	5m 14s
12 32.4	283 39	80 8	5 18
12 35.7	267 46	78 27	5 22
12 41.1	256 28	75 26	5 25
12 49.7	249 20	70 36	5 29
12 53.5	247 47	68 15	5 30
12 59.4	246 54	65 37	5 31
13 16.2	247 42	57 46	5 31
13 33.9	253 17	49 50	5 24
13 45.2	260 50	43 39	5 10
13 45.7	269 57	—42 42	

Die Finsternis wird demnach an der Südspitze Südamerikas, in der südlichen Hälfte des Stillen Ozeans, in der südlichen Hälfte Neu-Seelands und in den südlichen Polargegenden sichtbar sein.

II. Partielle Mondfinsternis 1914 März 11, sichtbar in Berlin.

Elemente der Finsternis
nach mittlerer Berliner Zeit.

☍ in AR	März 11	$17^h\,36^m\,41^s.9$
☾ AR.		11 26 6.5
☾ Dekl.		$+3°\ 2'\ 42''.7$
☉ »		−3 39 26.9
☾ stündliche Bewegung in AR.		33 24.7
☉ » » » »		2 17.8
☾ » » » Dekl.		−18 4.5
☉ » » » »		+ 58.9
☾ Äquatorial-Horizontal-Parallaxe		61 11.1
☉ » » »		8.9
☾ Halbmesser		16 40.4
☉ »		16 5.6

Anfang der Finsternis	März 11	$15^h\,35^m.6$	mittl. Berl. Zt.
Mitte der Finsternis		17 6.7	» » »
Ende der Finsternis		18 37.8	» » »

Der Mond steht um diese Zeiten im Zenit der Orte, deren geographische Lage bezüglich ist:

$321°\ 0'$	östl. Länge von Greenwich	$3°\ 39'$	nördl. Br.
299 0	» » » »	3 11	» »
277 0	» » » »	2 44	» »

Positionswinkel des Eintritts vom Nordpunkt gezählt = 88°
» » Austritts » » » = 330

Größe der Verfinsterung in Teilen des Monddurchmessers = 0.916

Die Finsternis wird demnach in Arabien und Kleinasien, in Europa, Afrika, dem Atlantischen Ozean, Amerika und dem östlichen Teile des Großen Ozeans sichtbar sein.

III. Totale Sonnenfinsternis 1914 August 20—21,

sichtbar in Berlin.

Elemente der Finsternis

nach wahrer Berliner Zeit τ.

	22ʰ 58ᵐ 21ˢ.3	0ʰ 10ᵐ 22ˢ.0	1ʰ 22ᵐ 22ˢ.7	2ʰ 34ᵐ 23ˢ.4	3ʰ 46ᵐ 24ˢ.1
τ	344°.5886	2°.5915	20°.5945	38°.5975	56°.6004
λ☾	146° 13′ 15″.1	146° 55′ 51″.4	147° 38′ 30″.0	148° 21′ 10″.9	149° 3′ 54″.2
β☾	+ 0 52 56.8	+ 0 49 3.8	+ 0 45 10.1	+ 0 41 15.8	+ 0 37 20.8
π☾	0 59 14.9	0 59 16.6	0 59 18.3	0 59 20.0	0 59 21.6
Δα′☉	— 0 0 8.12	— 0 0 2.70	+ 0 0 2.72	+ 0 0 8.14	+ 0 0 13.56
δ′☉	+12 20 47.0	+12 19 49.9	+12 18 52.8	+12 17 55.7	+12 16 58.5
N′	115 43 6.1	115 43 57.2	115 44 48.8	115 45 40.9	115 46 33.3
γ	+0.764855	+0.764853	+0.764851	+0.764849	+0.764847
u'_a	+0.540637	+0.540565	+0.540459	+0.540319	+0.540145
u'_i	+0.005741	+0.005812	+0.005918	+0.006058	+0.006231
log sin f_a	7.664860	7.664864	7.664868	7.664872	7.664876
log sin f_i	7.662689_n	7.662693_n	7.662697_n	7.662701_n	7.662705_n
log n	9.750294	9.750332	9.750354	9.750360	9.750351
μ	21°.2225	21°.2241	21°.2257	21°.2275	21°.2293
k	115° 4′ 54″.7	115° 5′ 49″.8	115° 6′ 46″.0	115° 7′ 42″.7	115° 8′ 39″.1
g	28 20 43.6	28 21 5.7	28 21 28.7	28 21 52.3	28 22 16.2
K	95 52 48.6	95 52 35.3	95 52 22.1	95 52 9.0	95 51 55.9
G	156 3 44.8	156 6 10.0	156 8 35.5	156 11 1.4	156 13 27.7

	Mittl. Zeit Berlin	Ö. L. Gr.	Breite
Beginn der Finsternis überhaupt . .	23ʰ 5ᵐ.8	279° 7′	+53° 29′
Beginn der totalen Finsternis . . .	0 19.1	238 53	+71 0
Beginn der zentralen Finsternis . .	0 19.9	237 34	+71 1
Zentrale Finsternis im wahren Mittag	0 48.8	2 0	+70 50
Ende der zentralen Finsternis . . .	2 36.7	71 7	+23 36
Ende der totalen Finsternis	2 37.6	70 29	+23 16
Ende der Finsternis überhaupt . . .	3 50.6	48 11	+ 3 54

Grenzkurven für die Sichtbarkeit der Finsternis.

Westl. Grenze		Südl. Grenze		Östl. Grenze	
O. L. Gr.	Breite	O. L. Gr.	Breite	O. L. Gr.	Breite
169° 24′	+77° 18′	278° 55′	+37° 50′	52° 44′	−12° 33′
182 20	77 3	288 53	39 49	56 47	12 9
200 38	75 38	301 59	41 23	61 1	9 43
219 5	72 21	314 0	41 34	65 18	5 45
233 46	67 22	324 56	40 23	69 32	− 0 42
244 52	61 15	334 48	37 51	73 39	+ 5 5
253 37	54 37	343 35	33 56	77 41	11 20
261 2	48 5	351 30	28 32	81 43	17 50
267 40	42 25	358 57	21 39	85 51	24 28
273 45	38 37	6 41	13 33	90 15	31 13
278 55	+37 50	15 38	+ 5 4	95 12	38 12
		26 36	− 2 41	101 30	45 48
		39 47	8 50	119 46	61 26
		52 44	−12 33	197 19	+77 5

Die nördliche Grenzkurve ist imaginär.

Kurve der zentralen Verfinsterung.

Mittl. Berl. Zeit	O. L. Gr.	Breite	Dauer der totalen Verfinsterung
0h 19.9m	237° 34′	+71° 1′	
0 20.3	249 7	73 56	1m 16s
0 22.4	268 36	76 57	1 25
0 25.0	287 56	78 18	1 32
0 28.3	307 8	78 30	1 39
0 32.4	326 6	77 37	1 46
0 38.5	344 34	75 21	1 53
0 48.8	2 0	70 50	2 3
1 7.3	17 22	62 48	2 14
1 36.6	30 2	51 7	2 17
2 9.0	41 57	38 33	2 1
2 31.2	56 23	28 33	1 32
2 36.7	71 7	+23 36	

Die Finsternis wird demnach in der nordöstlichen Hälfte Nordamerikas, in der nördlichen Hälfte des Atlantischen Ozeans, in Europa, in der nördlichen Hälfte Afrikas, in der westlichen Hälfte Asiens, in dem nordwestlichen Teil des Indischen Ozeans und in den nördlichen Polargegenden zu sehen sein.

In der folgenden Übersicht über die näheren Umstände der Finsternis im mittleren Europa ist als Einheit von $\Delta\lambda$ die Zeitminute und die östliche Richtung positiv zu nehmen. Die Phase ist in Teilen des Sonnendurchmessers ausgedrückt.

Polhöhe	Mittlere Ortszeit des Eintrittes	Diff.		Positions-Winkel	Mittlere Ortszeit des Austrittes	Diff.		Positions-Winkel	Größte Phase
	Länge von Berlin: — 30m								
+48°	23h 34.3m	17	+ 1.26m Δλ	327.0°	1h 57.7m	14	+ 1.34m Δλ	106.4°	0.66
49	32.6	16	+ 1.26 »	325.6	56.3	14	+ 1.33 »	107.2	0.68
50	31.0	15	+ 1.26 »	324.2	54.9	15	+ 1.32 »	108.0	0.70
51	29.5	14	+ 1.26 »	322.8	53.4	14	+ 1.31 »	108.8	0.71
52	28.1	14	+ 1.26 »	321.4	52.0	14	+ 1.30 »	109.6	0.73
53	26.7	12	+ 1.26 »	320.0	50.6	15	+ 1.29 »	110.4	0.75
54	25.5	12	+ 1.25 »	318.7	49.1	14	+ 1.28 »	111.1	0.77
55	24.3	11	+ 1.25 »	317.4	47.7	14	+ 1.27 »	111.9	0.78
56	23.2	10	+ 1.25 »	316.1	46.3	14	+ 1.26 »	112.6	0.80
57	22.2	9	+ 1.24 »	314.8	44.9	14	+ 1.25 »	113.3	0.82
58	21.3		+ 1.24 »	313.5	43.5		+ 1.24 »	114.0	0.84
	Länge von Berlin: — 15m								
+48°	23h 53.2m	17	+ 1.26m Δλ	324.2°	2h 17.6m	16	+ 1.31m Δλ	109.3°	0.71
49	51.5	16	+ 1.26 »	322.9	16.0	15	+ 1.30 »	110.1	0.73
50	49.9	15	+ 1.26 »	321.6	14.5	16	+ 1.29 »	110.8	0.74
51	48.4	14	+ 1.26 »	320.3	12.9	16	+ 1.28 »	111.5	0.76
52	47.0	14	+ 1.26 »	319.0	11.3	16	+ 1.27 »	112.2	0.77
53	45.6	13	+ 1.26 »	317.7	9.7	16	+ 1.26 »	112.9	0.79
54	44.3	12	+ 1.26 »	316.5	8.1	15	+ 1.25 »	113.6	0.81
55	43.1	11	+ 1.26 »	315.2	6.6	16	+ 1.25 »	114.3	0.83
56	42.0	11	+ 1.25 »	314.0	5.0	15	+ 1.24 »	114.9	0.84
57	40.9	10	+ 1.25 »	312.8	3.5	16	+ 1.23 »	115.6	0.86
58	39.9		+ 1.24 »	311.6	1.9		+ 1.22 »	116.2	0.87
	Länge von Berlin: 0m								
+48°	0h 12.2m	17	+ 1.27m Δλ	321.3°	2h 36.9m	17	+ 1.27m Δλ	112.2°	0.76
49	10.5	16	+ 1.27 »	320.1	35.2	17	+ 1.26 »	112.9	0.78
50	8.9	15	+ 1.27 »	318.9	33.5	17	+ 1.25 »	113.5	0.79
51	7.4	15	+ 1.27 »	317.7	31.8	17	+ 1.25 »	114.2	0.81
52	5.9	14	+ 1.26 »	316.5	30.1	17	+ 1.24 »	114.8	0.82
53	4.5	13	+ 1.26 »	315.3	28.4	16	+ 1.23 »	115.4	0.84
54	3.2	12	+ 1.26 »	314.1	26.8	17	+ 1.23 »	116.0	0.85
55	2.0	12	+ 1.26 »	312.9	25.1	17	+ 1.22 »	116.6	0.87
56	0 0.8	12	+ 1.26 »	311.8	23.4	17	+ 1.22 »	117.2	0.88
57	23 59.6	10	+ 1.25 »	310.7	21.7	16	+ 1.21 »	117.8	0.90
58	58.6		+ 1.25 »	309.6	20.1		+ 1.20 »	118.3	0.91

Polhöhe	Mittlere Ortszeit des Eintrittes	Diff.		Positions-Winkel	Mittlere Ortszeit des Austrittes	Diff.		Positions-Winkel	Größte Phase
	Länge von Berlin: $+15^m$								
+48°	0h 31.3m	17	+ 1.28m Δλ	318.4°	2h 55.7m	18	+ 1.23m Δλ	114.9°	0.81
49	29.6	16	+ 1.28 »	317.2	53.9	18	+ 1.23 »	115.5	0.83
50	28.0	15	+ 1.27 »	316.1	52.1	18	+ 1.22 »	116.1	0.84
51	26.5	15	+ 1.27 »	315.0	50.3	18	+ 1.22 »	116.7	0.86
52	25.0	15	+ 1.27 »	313.9	48.5	18	+ 1.21 »	117.2	0.87
53	23.5	14	+ 1.27 »	312.8	46.7	17	+ 1.21 »	117.8	0.88
54	22.1	13	+ 1.26 »	311.7	45.0	18	+ 1.20 »	118.3	0.89
55	20.8	12	+ 1.26 »	310.6	43.2	18	+ 1.19 »	118.8	0.91
56	19.6	12	+ 1.26 »	309.6	41.4	17	+ 1.19 »	119.3	0.92
57	18.4	12	+ 1.25 »	308.5	39.7	18	+ 1.18 »	119.8	0.94
58	17.2		+ 1.25 »	307.5	37.9		+ 1.18 »	120.3	0.95
	Länge von Berlin: $+30^m$								
+48°	0h 50.5m	17	+ 1.28m Δλ	315.4°	3h 13.9m	19	+ 1.20m Δλ	117.4°	0.86
49	48.8	17	+ 1.28 »	314.3	12.0	18	+ 1.19 »	118.0	0.88
50	47.1	16	+ 1.28 »	313.3	10.2	19	+ 1.19 »	118.5	0.89
51	45.5	15	+ 1.27 »	312.3	8.3	18	+ 1.19 »	119.0	0.90
52	44.0	15	+ 1.27 »	311.3	6.5	19	+ 1.18 »	119.5	0.92
53	42.5	14	+ 1.27 »	310.3	4.6	19	+ 1.18 »	120.0	0.93
54	41.1	14	+ 1.27 »	309.3	2.7	18	+ 1.17 »	120.5	0.94
55	39.7	13	+ 1.26 »	308.3	3 0.9	18	+ 1.17 »	121.0	0.95
56	38.4	12	+ 1.26 »	307.3	2 59.1	19	+ 1.16 »	121.4	0.96
57	37.2	12	+ 1.26 »	306.3	57.2	18	+ 1.16 »	121.9	0.98
58	36.0		+ 1.25 »	305.4	55.4		+ 1.15 »	122.3	0.99
	Berlin								
—	0h 5.2m		+ 1.26m Δλ	315.9°	2h 29.3m		+ 1.24m Δλ	115.1°	0.83

IV. Partielle Mondfinsternis 1914 September 4,

unsichtbar in Berlin.

Elemente der Finsternis

nach mittlerer Berliner Zeit.

☍ in AR.	Sept. 4	3ʰ 21ᵐ 19ˢ.7
☾ AR.		22 50 36.8
☾ Dekl.		−6° 49′ 3″.3
☉ »		+7 22 12.6
☾ stündliche Bewegung in AR. .		27 39.6
☉ » » » » .		2 15.6
☾ » » » Dekl. .		+14 20.8
☉ » » » » .		− 55.2
☾ Äquatorial-Horizontal-Parallaxe		55 12.5
☉ » » »		8.7
☾ Halbmesser		15 2.7
☉ »		15 51.8

Anfang der Finsternis	Sept. 4	1ʰ 10ᵐ.2	mittl. Berl. Zt.
Mitte der Finsternis		2 48.6	» » »
Ende der Finsternis		4 27.0	» » »

Der Mond steht um diese Zeiten im Zenit der Orte, deren geographische Lage bezüglich ist:

174° 43′	östl. Länge von Greenwich	7° 20′	südl. Br.
150 49	» » » »	6 57	» »
126 54	» » » »	6 33	» »

Positionswinkel des Eintritts vom Nordpunkt gezählt = 94°
» » Austritts » » » = 210

Größe der Verfinsterung in Teilen des Monddurchmessers = 0.863

Die Finsternis wird demnach im westlichen Nordamerika, im Stillen Ozean, in Australien, fast dem ganzen Asien, im Indischen Ozean und an der Ostküste von Afrika sichtbar sein.

Merkursdurchgang 1914 November 6—7,

sichtbar in Berlin.

Elemente des Merkursdurchgangs

nach mittlerer Berliner Zeit.

☌ in AR.	Nov. 7	0^h	5^m	$14^s.9$
☿ und ☉ AR.		14	46	58.14
☿ Dekl.		$-16°$	$18'$	$18''.0$
☉ »		-16	6	37.7
☿ stündliche Bewegung in AR.			-3	1.3
☉ » » » »			$+2$	29.7
☿ » » » Dekl.			$+1$	48.4
☉ » » » »			$-$	44.7
☿ Äquatorial-Horizontal-Parallaxe				13.04
☉ » » »				8.88
☿ Halbmesser				4.95
☉ »			16	8.58

Vom Mittelpunkte der Erde aus gesehen erfolgt:

der Eintritt, äußere Berührung	Nov. 6	22^h	50^m	50^s
» » innere »	6	22	53	4
die Mitte bei kleinstem südl. Abst. vom Zentrum 10′ 31″.0	7	0	56	57
der Austritt, innere Berührung	7	3	0	51
» » äußere »	7	3	3	4

Die Sonne steht um diese Zeiten im Zenit der Orte, deren geographische Lage bezüglich ist:

26°	37′	östl. Länge von Greenwich	16°	12′	südl. Br.
26	4	» » » »	16	12	» »
355	5	» » » »	16	13	» »
324	7	» » » »	16	15	» »
323	34	» » » »	16	15	» »

Hiernach wird die Erscheinung in der westlichen Hälfte Asiens, in Europa, Afrika, dem Atlantischen Ozean, Südamerika, der östlichen Hälfte Nordamerikas, dem südöstlichen Teil des Stillen Ozeans und den südlichen Polargegenden sichtbar sein.

Für einen bestimmten Ort, dessen geozentrische Breite $= \varphi'$, dessen Entfernung vom Mittelpunkt $= \rho$ und dessen östliche Länge von Berlin $= l$, findet man in mittlerer Berliner Zeit die Eintritts- und Austrittszeiten aus folgenden Formeln:

für Eintritt, äußere Berührung

$$22^h\,50^m\,50^s + [1.6877]\,\rho \sin\varphi' - [1.4322]\,\rho \cos\varphi' \cos(136°\,41' - l)$$

für Eintritt, innere Berührung

$$22^h\,53^m\,4^s + [1.6928]\,\rho \sin\varphi' - [1.4298]\,\rho \cos\varphi' \cos(136°\,45' - l)$$

für Austritt, innere Berührung

$$3^h\,0^m\,51^s - [1.1433]\,\rho \sin\varphi' + [1.7361]\,\rho \cos\varphi' \cos(215°\,34' - l)$$

für Austritt, äußere Berührung

$$3^h\,3^m\,4^s - [1.1253]\,\rho \sin\varphi' + [1.7339]\,\rho \cos\varphi' \cos(215°\,17' - l),$$

wo die eingeklammerten Zahlen Logarithmen bedeuten, in Einheiten der Zeitsekunde ausgedrückt.

Der Eintritt erfolgt 156° östlich
» Austritt » 105° westlich

vom nördlichsten Punkte der Sonnenscheibe für den Anblick mit bloßem Auge.

Für Berlin findet statt:

der Eintritt, äußere Berührung	Nov. 6	$22^h\,51^m\,40^s$
» » innere »	6	22 53 55
» Austritt, innere »	7	3 0 13
» » äußere »	7	3 2 27

Verzeichnis von Fixsternen, welche im Jahre 1914 vom Monde bedeckt werden.

Nr.	Name	Gr.	Mittl. AR. 1914.0	Mittl. Dekl. 1914.0
			h m s	° ′ ″
1	δ Piscium	4.4	0 44 13.13	+ 7 7 1.9
2	η Piscium	3.6	1 26 52.72	+14 54 9.9
3	ε Arietis	4.6	2 54 17.46	+20 59 49.1
4	17 Tauri	4.0	3 39 45.93	+23 50 37.5
5	19 Tauri	4.4	3 40 5.10	+24 11 54.1
6	20 Tauri	3.9	3 40 42.38	+24 5 59.3
7	23 Tauri	4.2	3 41 13.13	+23 40 52.1
8	η Tauri	3.0	3 42 22.16	+23 50 23.9
9	27 Tauri	3.8	3 44 2.72	+23 47 28.4
10	φ Tauri	5.1	4 15 3.70	+27 8 45.0
11	χ Tauri	5.5	4 17 20.81	+25 25 37.8
12	β Tauri	1.8	5 20 51.26	+28 32 8.8
13	136 Tauri	4.7	5 47 55.34	+27 35 34.2
14	κ Aurigae	4.5	6 9 53.95	+29 31 50.8
15	49 Aurigae	5.3	6 29 47.13	+28 5 24.8
16	*A* Geminorum . .	5.5	7 18 14.01	+25 13 0.2
17	υ Geminorum . .	4.2	7 30 37.54	+27 5 15.9
18	κ Geminorum . .	3.4	7 39 15.48	+24 36 18.4
19	γ Cancri	4.7	8 38 18.72	+21 46 42.6
20	ν Leonis	5.2	9 53 35.85	+12 51 19.3
21	α Leonis	1.3	10 3 47.63	+12 23 16.5
22	ρ Leonis	3.8	10 28 17.06	+ 9 44 58.1
23	*c* Leonis	5.2	10 56 17.40	+ 6 33 49.6
24	χ Leonis	4.8	11 0 34.92	+ 7 48 4.2
25	75 Leonis	5.5	11 12 51.88	+ 2 29 1.2
26	τ Leonis	5.3	11 23 30.90	+ 3 19 48.1
27	υ Leonis	4.4	11 32 32.73	− 0 20 56.0
28	χ Virginis	4.9	12 34 48.38	− 7 31 20.9
29	ψ Virginis	5.0	12 49 52.72	− 9 4 19.6
30	α Virginis	1.1	13 20 39.61	−10 42 46.0

Verzeichnis von Fixsternen, welche im Jahre 1914 vom Monde bedeckt werden.

Nr.	Name	Gr.	Mittl. AR. 1914.0	Mittl. Dekl. 1914.0
			h m s	° ′ ″
31	*b* Scorpii	4.8	15 45 48.18	—25 29 26.5
32	*A* Scorpii	4.7	15 48 26.73	—25 4 15.5
33	π Scorpii	4.1	15 53 38.73	—25 52 2.8
34	σ Scorpii	3.1	16 15 57.48	—25 23 14.6
35	α Scorpii	1.2	16 24 7.89	—26 14 31.5
36	τ Scorpii	2.9	16 30 31.54	—28 2 18.8
37	X Sagittarii	4–6	17 42 8.81	—27 47 56.2
38	γ^1 Sagittarii	5–6	17 59 31.59	—29 35 5.2
39	Boss 4577	4.7	18 2 38.16	—28 28 2.6
40	φ Sagittarii	3.2	18 40 17.02	—27 4 48.3
41	σ Sagittarii	2.1	18 49 55.99	—26 24 16.3
42	τ Sagittarii	3.3	19 1 34.33	—27 47 49.4
43	h^1 Sagittarii	5–6	19 30 48.46	—24 54 29.0
44	h^2 Sagittarii	4.6	19 31 28.51	—25 4 27.4
45	η Capricorni . . .	5.0	20 59 30.77	—20 11 45.1
46	ϑ Capricorni . . .	4.0	21 1 6.88	—17 34 31.1
47	ι Capricorni . . .	4.3	21 17 27.62	—17 12 5.0
48	γ Capricorni . . .	3.6	21 35 19.70	—17 3 4.5
49	δ Capricorni . . .	2.8	21 42 17.76	—16 31 5.0
50	μ Capricorni . . .	5.0	21 48 36.52	—13 57 26.0
51	ι Aquarii	4.2	22 1 47.65	—14 17 14.4
52	c^2 Aquarii	5.4	22 6 1.71	—11 59 17.5
53	σ Aquarii	4.9	22 26 5.86	—11 7 6.0
54	λ Aquarii	3.8	22 48 7.73	— 8 2 15.1
55	φ Aquarii	4.4	23 9 52.13	— 6 30 46.2
56	B. A. C. 8094 . .	5.4	23 11 8.47	— 3 57 55.0

Elemente der Sternbedeckungen 1914.

Nr.	Zeit der Konj. in AR.			q	p'	q'
	d	h	m			
	Jan.					
54	1	6	58.9	−0.2674	4895	+2522
55	1	19	10.8	+1.1658	4848	+2568
1	4	1	14.5	+0.0571	4835	+2527
3	6	21	54.7	+0.2909	5262	+1842
4	7	19	1.2	+0.7039	5451	+1444
5	7	19	9.7	+0.3436	5452	+1442
6	7	19	26.4	+0.4894	5455	+1434
7	7	19	40.2	+0.9723	5456	+1432
8	7	20	11.1	+0.8748	5462	+1419
9	7	20	56.0	+1.0330	5468	+1404
10	8	10	28.0	−0.8600	5587	+1090
11	8	11	26.6	+1.0772	5596	+1067
12	9	13	37.0	−0.3327	5778	+0350
13	10	0	21.8	+0.8576	5827	+0024
14	10	8	59.3	−1.2537	5848	−0240
15	10	16	45.0	−0.0374	5859	−0482
♂	11	2	42.1	+0.5878	6044	−0805
17	11	16	33.0	−1.0209	5825	−1202
18	11	19	57.9	+1.0922	5812	−1301
19	12	19	49.6	+0.0944	5691	−1915
21	14	8	35.8	+1.1901	5465	−2571
22	14	19	40.6	+0.9179	5405	−2695
23	15	8	36.6	+0.5601	5350	−2794
24	15	10	36.9	−1.2457	5342	−2807
26	15	21	23.8	+0.1931	5311	−2850
29	17	14	24.2	+1.0580	5311	−2751
30	18	4	48.0	−1.1550	5356	−2616
31	20	20	12.5	+0.5661	5691	−1436
32	20	21	17.6	−0.0215	5696	−1408
33	20	23	25.4	+0.5066	5708	−1353
34	21	8	28.7	−1.1069	5747	−1106
35	21	11	46.1	−0.5711	5761	−1013
36	21	14	19.9	+1.0416	5769	−0941
37	22	18	46.5	−0.6833	5802	−0088
38	23	1	40.9	+1.2023	5792	+0123
39	23	2	55.3	+0.0467	5789	+0159
40	23	18	4.2	−0.8337	5734	+0603
41	28	3	13.9	+0.2723	4976	+2480

Nr.	Zeit der Konj. in AR.			q	p'	q'
	d	h	m			
	Jan.					
54	28	15	17.1	−0.0726	4915	+2548
55	29	3	26.1	+1.3782	4867	+2592
56	29	4	9.1	−1.2428	4865	+2594
1	31	9	23.9	+0.3152	4835	+2529
	Febr.					
3	3	6	41.6	+0.5206	5211	+1817
4	4	4	9.2	+0.9124	5390	+1420
5	4	4	18.0	+0.5492	5391	+1417
6	4	4	34.9	+0.6958	5394	+1410
7	4	4	48.9	+1.1817	5396	+1405
8	4	5	20.3	+1.0829	5400	+1394
9	4	6	6.0	+1.2414	5406	+1379
10	4	19	52.5	−0.6839	5521	+1067
11	4	20	52.1	+1.2662	5529	+1044
12	5	23	28.5	−0.1925	5718	+0333
13	6	10	22.2	+0.9861	5772	+0009
14	6	19	5.6	−1.1468	5802	−0257
♂	7	1	32.0	+1.2047	5870	−0443
15	7	2	55.6	+0.0605	5821	−0497
17	8	2	49.5	−0.9618	5814	−1220
18	8	6	14.1	+1.1405	5805	−1319
19	9	5	56.8	+0.1010	5717	−1941
21	10	18	2.9	+1.1151	5533	−2621
22	11	4	50.3	+0.8257	5484	−2750
23	11	17	23.6	+0.4511	5437	−2856
24	11	19	20.2	−1.3311	5431	−2867
26	12	5	46.5	+0.0707	5404	−2913
28	13	14	32.3	+1.2924	5388	−2854
29	13	21	26.2	+0.8823	5399	−2802
30	14	11	24.2	−1.3065	5434	−2662
31	17	1	40.4	+0.4102	5698	−1433
32	17	2	45.1	−0.1746	5701	−1407
33	17	4	52.2	+0.3529	5709	−1348
34	17	13	53.9	−1.2508	5738	−1100
35	17	17	11.1	−0.7140	5746	−1003
36	17	19	45.1	+0.8991	5751	−0930
37	19	0	21.2	−0.8032	5760	−0080

Elemente der Sternbedeckungen 1914.

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Febr.			
	d h m			
38	19 7 20.0	+1.0950	5742	+0131
39	19 8 35.2	−0.0639	5739	+0166
40	19 23 55.9	−0.9339	5679	+0611
42	20 8 47.4	+0.4767	5631	+0851
44	20 21 31.9	−1.1347	5550	+1176
1	27 16 37.3	+0.4005	4848	+2541
	März			
3	2 14 15.0	+0.6179	5181	+1809
4	3 12 2.3	+1.0086	5341	+1406
5	3 12 11.2	+0.6419	5342	+1404
6	3 12 28.5	+0.7901	5344	+1397
7	3 12 42.8	+1.2806	5345	+1395
8	3 13 14.7	+1.1809	5350	+1382
10	4 4 4.5	−0.6086	5458	+1051
12	5 8 21.0	−0.1238	5632	+0323
13	5 19 32.4	+1.0644	5682	+0006
14	6 4 30.2	−1.0988	5712	−0256
15	6 12 33.1	+0.1193	5731	−0493
17	7 13 3.9	−0.9262	5734	−1208
18	7 16 33.3	+1.1951	5727	−1307
19	8 16 43.5	+0.1323	5662	−1931
21	10 5 5.5	+1.1236	5531	−2626
22	10 15 50.5	+0.8268	5498	−2764
23	11 4 16.5	+0.4467	5471	−2878
24	11 6 11.5	−1.3240	5468	−2891
26	11 16 27.8	+0.0630	5455	−2946
28	13 0 24.2	+1.2560	5478	−2906
29	13 7 5.1	+0.8500	5496	−2852
30	13 20 34.4	−1.3062	5540	−2711
31	16 8 38.8	+0.3842	5789	−1453
32	16 9 41.5	−0.1916	5792	−1427
33	16 11 44.7	+0.3285	5799	−1370
34	16 20 30.8	−1.2514	5817	−1110
35	16 23 42.7	−0.7221	5823	−1017
36	17 2 12.6	+0.8704	5825	−0942
37	18 6 13.2	−0.8085	5795	−0079
38	18 13 6.0	+1.0750	5772	+0134

Nr.	Zeit der Konj. in AR.	q	p'	q'
	März			
	d h m			
39	18 14 20.3	−0.0747	5766	+0170
40	19 5 32.1	−0.9376	5686	+0612
42	19 14 20.8	+0.4672	5631	+0853
44	20 3 3.7	−1.1379	5537	+1174
45	21 19 30.7	+0.0845	5218	+1972
47	22 4 24.2	−1.3618	5153	+2102
48	22 13 29.1	+0.4374	5090	+2220
49	22 17 5.2	+0.6621	5068	+2259
51	23 3 20.8	+0.5939	5007	+2364
53	23 16 28.6	+0.2901	4941	+2471
54	24 4 40.2	−0.0460	4893	+2543
3	29 20 32.8	+0.5640	5189	+1805
4	30 18 26.8	+0.9513	5332	+1399
5	30 18 35.7	+0.5820	5334	+1394
6	30 18 53.2	+0.7308	5336	+1389
7	30 19 7.6	+1.2241	5337	+1385
8	30 19 39.8	+1.1241	5340	+1375
10	31 10 38.5	−0.6819	5436	+1046
	April			
12	1 15 23.0	−0.2002	5581	+0317
13	2 2 49.6	+1.0002	5619	+0005
14	2 12 1.1	−1.1907	5640	−0254
15	2 20 17.4	+0.0423	5649	−0489
17	3 21 34.0	−1.0181	5635	−1185
18	4 1 10.4	+1.1342	5629	−1282
19	5 2 9.6	+0.0605	5563	−1896
21	6 15 37.5	+1.0804	5455	−2585
22	7 2 37.5	+0.7872	5435	−2724
23	7 15 17.4	+0.4135	5424	−2845
24	7 17 14.1	−1.3668	5424	−2859
26	8 3 38.0	+0.0389	5426	−2920
28	9 11 37.1	+1.2639	5500	−2905
29	9 18 14.5	+0.8654	5529	−2857
30	10 7 33.0	−1.2621	5593	−2726
31	12 17 59.8	+0.4700	5901	−1472
32	12 19 0.4	−0.0961	5904	−1444
33	12 20 59.4	+0.4173	5911	−1387

Elemente der Sternbedeckungen 1914.

Nr.	Zeit der Konj. in AR.	q	p'	q'	Nr.	Zeit der Konj. in AR.	q	p'	q'
	April					Mai			
	d h m					d h m			
34	13 5 27.4	−1.1308	5931	−1126	22	4 11 26.6	+0.6173	5340	−2666
35	13 8 32.7	−0.6079	5936	−1027	23	5 0 32.6	+0.2534	5331	−2786
36	13 10 57.5	+0.9601	5940	−0952	26	5 13 17.1	−0.1074	5341	−2861
37	14 14 2.0	−0.6764	5897	−0072	28	6 22 6.3	+1.1940	5446	−2853
38	14 20 42.2	+1.1811	5865	+0137	29	7 4 51.2	+0.8056	5482	−2812
39	14 21 54.2	+0.0498	5859	+0175	30	7 18 21.0	−1.3059	5564	−2689
40	15 12 40.4	−0.7954	5767	+0624	31	10 4 39.5	+0.5592	5958	−1468
41	15 16 32.5	−1.2394	5736	+0731	32	10 5 39.2	−0.0011	5963	−1436
42	15 21 15.8	+0.5933	5698	+0864	33	10 7 36.3	+0.5125	5972	−1378
43	16 9 25.0	−1.1984	5594	+1178	34	10 15 55.5	−1.0079	6002	−1121
44	16 9 42.0	−0.9897	5592	+1184	35	10 18 57.2	−0.4833	6010	−1020
45	18 1 35.3	+0.2181	5230	+1975	36	10 21 19.0	+1.0750	6015	−0946
47	18 10 25.1	−1.2232	5159	+2099	37	11 23 45.0	−0.5012	5992	−0062
48	18 19 27.4	+0.5634	5091	+2210	39	12 7 24.6	+0.2278	5956	+0190
49	18 23 2.8	+0.7854	5065	+2252	40	12 21 46.3	−0.5865	5862	+0643
50	19 2 19.9	−1.2627	5043	+2287	41	13 1 31.9	−1.0193	5834	+0756
51	19 9 17.1	+0.7119	4999	+2352	42	13 6 7.3	+0.7943	5792	+0887
52	19 11 32.6	−1.2723	4985	+2374	43	13 17 56.5	−0.9596	5682	+1202
53	19 22 24.8	+0.3995	4930	+2456	44	13 18 13.0	−0.7532	5680	+1208
54	20 10 37.4	+0.0530	4879	+2527	45	15 9 8.4	+0.4708	5289	+1995
56	20 23 37.4	−1.1259	4842	+2577	47	15 17 47.8	−0.9521	5210	+2118
4	27 0 11.2	+0.8318	5359	+1395	48	16 2 40.7	+0.8185	5133	+2228
5	27 0 20.1	+0.4625	5360	+1393	♃	16 2 43.8	−1.3071	5106	+2218
6	27 0 37.5	+0.6108	5362	+1386	49	16 6 12.6	+1.0390	5106	+2264
7	27 0 51.9	+1.1043	5364	+1381	50	16 9 26.7	−0.9911	5080	+2298
8	27 1 24.0	+1.0030	5367	+1371	51	16 16 18.0	+0.9656	5031	+2361
9	27 2 10.7	+1.1628	5372	+1352	52	16 18 31.8	−1.0023	5016	+2380
10	27 16 20.3	−0.8209	5457	+1036	53	17 5 16.4	+0.6524	4951	+2458
11	27 17 21.9	+1.1663	5462	+1013	54	17 17 22.3	+0.3007	4893	+2523
12	28 21 7.2	−0.3674	5585	+0307	56	18 6 17.1	−0.8841	4849	+2567
13	29 8 38.0	+0.8291	5613	−0007	1	20 11 32.7	+0.5381	4855	+2507
15	30 2 17.0	−0.1462	5626	−0493	15	27 7 50.6	−0.3296	5654	−0511
					16	28 4 14.3	+1.1243	5615	−1059
	Mai				18	28 13 12.2	+0.7166	5584	−1290
17	1 4 0.3	−1.2320	5585	−1179	19	29 15 0.2	−0.4075	5470	−1870
18	1 7 41.5	+0.9432	5574	−1272	♂	30 6 9.5	+0.7369	5181	−2085
19	2 9 20.7	−0.1477	5485	−1864	20	31 1 31.7	+1.3440	5321	−2445
21	4 0 3.5	+0.9045	5359	−2532	21	31 6 20.3	+0.6324	5307	−2502

Elemente der Sternbedeckungen 1914.

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Mai			
	d h m			
22	31 17 59.8	+0.3441	5277	−2629
	Juni			
23	1 7 26.9	−0.0178	5260	−2738
26	1 20 34.1	−0.3724	5262	−2804
28	3 6 25.7	+1.0025	5359	−2788
29	3 13 23.3	+0.6223	5394	−2752
31	6 14 47.9	+0.5565	5934	−1436
32	6 15 48.2	−0.0047	5939	−1408
33	6 17 46.5	+0.5169	5950	−1346
34	7 2 9.3	−0.9886	5993	−1091
35	7 5 12.0	−0.4539	6003	−0995
36	7 7 34.4	+1.1148	6011	−0917
37	8 9 58.3	−0.3986	6021	−0036
40	9 7 46.9	−0.4319	5913	+0667
41	9 11 29.6	−0.8537	5888	+0782
42	9 16 1.0	+0.9592	5851	+0915
43	10 3 38.9	−0.7581	5746	+1236
44	10 3 55.2	−0.5530	5743	+1242
45	11 18 5.9	+0.7306	5355	+2029
47	12 2 34.9	−0.6660	5272	+2154
48	12 11 17.2	+1.0985	5191	+2261
♃	12 13 25.4	−0.7761	5179	+2290
49	12 14 45.1	+1.3210	5162	+2297
50	12 17 55.5	−0.6869	5136	+2328
51	13 0 39.3	+1.2586	5082	+2393
52	13 2 50.6	−0.6902	5067	+2409
53	13 13 24.3	+0.9574	4994	+2484
54	14 1 19.1	+0.6136	4928	+2543
56	14 14 3.7	−0.5626	4876	+2581
1	16 18 55.1	+0.8089	4856	+2492
3	19 15 55.4	+0.6090	5231	+1762
4	20 13 29.9	+0.8690	5393	+1360
5	20 13 38.7	+0.5012	5394	+1357
6	20 13 55.9	+0.6474	5397	+1349
7	20 14 10.0	+1.1368	5399	+1344
8	20 14 41.7	+1.0340	5402	+1334
9	20 15 27.8	+1.1890	5407	+1318

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Juni			
	d h m			
19	25 20 47.9	−0.5963	5511	−1898
♀	25 22 2.1	+0.8044	5016	−1803
20	27 7 4.0	+1.0972	5340	−2462
21	27 11 51.9	+0.3806	5320	−2522
♂	27 16 51.9	−0.6216	5076	−2480
22	27 23 31.1	+0.0807	5279	−2641
23	28 13 1.2	−0.2913	5248	−2741
26	29 2 14.5	−0.6518	5237	−2795
28	30 12 37.4	+0.7497	5301	−2755
29	30 19 43.8	+0.3739	5334	−2707
	Juli			
31	3 23 3.2	+0.4474	5856	−1395
32	4 0 5.0	−0.1185	5862	−1369
33	4 2 6.2	+0.4143	5875	−1311
34	4 10 41.0	−1.0899	5921	−1056
35	4 13 47.8	−0.5414	5936	−0962
36	4 16 13.4	+1.0505	5944	−0886
37	5 19 6.3	−0.4168	5978	−0014
40	6 17 9.5	−0.3985	5895	+0691
41	6 20 53.7	−0.8132	5872	+0804
42	7 1 26.8	+1.0160	5843	+0940
43	7 13 7.0	−0.6787	5751	+1261
44	7 13 23.2	−0.4723	5749	+1267
45	9 3 25.3	+0.8921	5387	+2061
47	9 11 49.8	−0.4841	5309	+2186
♃	9 20 8.1	−0.5693	5268	+2309
48	9 20 26.8	+1.2903	5233	+2291
50	10 3 0.5	−0.4762	5177	+2363
52	10 11 49.3	−0.4645	5108	+2442
53	10 22 15.1	+1.1904	5037	+2514
54	11 10 0.7	+0.8624	4970	+2571
56	11 22 35.9	−0.2955	4913	+2606
1	14 2 58.9	+1.0819	4866	+2496
3	16 23 57.7	+0.8125	5210	+1745
4	17 21 36.1	+1.0373	5373	+1337
5	17 21 44.9	+0.6694	5374	+1334
6	17 22 2.1	+0.8153	5375	+1329

Elemente der Sternbedeckungen 1914.

Nr.	Zeit der Konj. in AR.	q	p'	q'	Nr.	Zeit der Konj. in AR.	q	p'	q'
	Juli					Aug.			
	d h m					d h m			
7	17 22 16.3	+1.3047	5377	+1324	5	14 6 6.5	+0.8061	5338	+1321
8	17 22 48.2	+1.2006	5382	+1312	6	14 6 23.9	+0.9521	5341	+1313
10	18 13 34.0	—0.7019	5488	+0983	10	14 22 5.3	—0.5824	5446	+0968
11	18 14 34.7	+1.2644	5494	+0960	12	16 2 41.1	—0.3231	5604	+0242
12	19 17 51.4	—0.4207	5648	+0253	13	16 14 3.8	+0.7883	5647	—0072
13	20 5 7.3	+0.6974	5688	—0063	15	17 7 25.8	—0.2942	5680	—0561
21	24 18 25.2	+0.2445	5380	—2562	16	18 3 27.0	+1.0426	5675	—1119
22	25 5 51.0	—0.0702	5337	—2679	18	18 12 11.6	+0.5957	5659	—1354
23	25 19 6.5	—0.4566	5301	—2775	28	24 0 55.8	+0.4689	5392	—2811
26	26 8 7.2	—0.8295	5282	—2826	29	24 7 49.6	+0.0955	5415	—2754
28	27 18 9.0	+0.5480	5319	—2761	31	27 10 41.4	+0.2300	5791	—1366
29	28 1 13.7	+0.1723	5340	—2717	32	27 11 44.3	—0.3385	5795	—1340
31	31 5 16.1	+0.3042	5787	—1369	33	27 13 47.7	+0.2014	5804	—1280
32	31 6 19.1	—0.2656	5793	—1339	35	28 1 44.5	—0.7446	5845	—0933
33	31 8 22.8	+0.2745	5804	—1283	36	28 4 13.7	+0.8680	5850	—0857
34	31 17 8.5	—1.2334	5846	—1033	37	29 7 56.0	—0.5692	5857	+0006
35	31 20 19.3	—0.6755	5859	—0937	40	30 6 46.6	—0.5091	5772	+0695
36	31 22 48.1	+0.9354	5870	—0862	41	30 10 39.0	—0.9228	5752	+0806
					42	30 15 21.9	+0.9438	5723	+0939
	Aug.				43	31 3 26.7	—0.7532	5641	+1254
37	2 2 17.6	—0.5094	5904	+0002	44	31 3 43.5	—0.5435	5638	+1263
40	3 0 49.3	—0.4582	5832	+0698					
41	3 4 38.1	—0.8710	5810	+0809		Sept.			
42	3 9 16.3	+0.9817	5782	+0943	45	1 18 51.1	+0.9158	5327	+2058
43	3 21 8.8	—0.7097	5700	+1263	24	1 23 32.5	—1.0264	5342	+2145
44	3 21 25.3	—0.5014	5699	+1270	47	2 3 25.9	—0.4573	5262	+2184
45	5 11 53.9	+0.9298	5372	+2073	48	2 12 11.6	+1.3490	5197	+2297
47	5 20 21.3	—0.4379	5302	+2194	50	2 18 50.7	—0.4190	5152	+2368
24	5 22 52.1	—0.7179	5345	+2247	52	3 3 45.0	—0.3906	5095	+2452
48	6 5 0.1	+1.3536	5232	+2305	53	3 14 15.1	+1.2906	5036	+2530
50	6 11 34.6	—0.4066	5181	+2379	54	4 2 2.7	+0.9790	4980	+2593
52	6 20 23.5	—0.3824	5120	+2457	56	4 14 37.1	—0.1648	4936	+2630
53	7 6 48.2	+1.2871	5053	+2532	1	6 18 40.3	+1.2566	4900	+2515
54	7 18 31.4	+0.9732	4990	+2592	3	9 15 43.9	+0.9752	5179	+1726
56	8 7 2.7	—0.1704	4937	+2626	4	10 13 43.2	+1.1874	5311	+1317
1	10 11 7.1	+1.2405	4883	+2508	5	10 13 52.3	+0.8158	5312	+1315
3	13 8 8.7	+0.9625	5187	+1732	6	10 14 9.8	+0.9632	5314	+1307
4	14 5 57.6	+1.1752	5337	+1323	10	11 6 2.8	—0.5837	5406	+0959

Elemente der Sternbedeckungen 1914.

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Sept.			
	d h m			
12	12 11 7.2	−0.3278	5545	+0239
13	12 22 43.3	+0.7910	5582	−0073
15	13 16 26.8	−0.3030	5612	−0558
16	14 12 52.6	+1.0428	5609	−1110
18	14 21 47.2	+0.5916	5595	−1338
19	15 23 9.9	−0.6433	5534	−1937
20	17 8 33.9	+0.9337	5441	−2533
31	23 17 16.8	+0.2775	5873	−1382
32	23 18 18.0	−0.2834	5876	−1354
33	23 20 18.2	+0.2499	5883	−1294
34	24 4 50.7	−1.2345	5906	−1037
35	24 7 57.5	−0.6827	5912	−0941
36	24 10 23.4	+0.9126	5916	−0866
37	25 13 37.2	−0.5070	5891	+0005
40	26 12 16.7	−0.4481	5778	+0698
41	26 16 8.3	−0.8606	5752	+0805
42	26 20 50.6	+1.0005	5718	+0934
43	27 8 55.8	−0.6942	5624	+1248
44	27 9 12.6	−0.4850	5622	+1254
45	29 0 36.3	+0.9669	5290	+2042
♃	29 1 31.6	−1.1852	5302	+2059
47	29 9 16.5	−0.4138	5224	+2163
50	30 0 51.7	−0.3834	5114	+2348
52	30 9 52.1	−0.3606	5060	+2428
53	30 20 28.9	+1.3201	5005	+2505
	Okt.			
54	1 8 23.7	+0.9979	4955	+2569
56	1 21 4.6	−0.1612	4916	+2609
1	4 1 21.4	+1.2139	4905	+2511
3	6 22 23.5	+0.8726	5191	+1723
4	7 20 26.5	+1.0728	5313	+1308
5	7 20 35.6	+0.6994	5314	+1305
6	7 20 53.3	+0.8466	5316	+1298
8	7 21 40.4	+1.2365	5319	+1284
10	8 12 52.5	−0.7160	5397	+0954
11	8 13 55.3	+1.2820	5402	+0929
12	9 18 18.5	−0.4713	5508	+0233

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Okt.			
	d h m			
13	10 6 7.1	+0.6549	5534	−0076
15	11 0 13.8	−0.4530	5549	−0551
16	11 21 11.6	+0.9084	5530	−1091
18	12 6 21.5	+0.4530	5512	−1317
19	13 8 29.5	−0.7894	5447	−1898
20	14 18 48.5	+0.8312	5371	−2488
21	14 23 31.7	+0.1149	5364	−2555
22	15 10 54.4	−0.1930	5356	−2684
23	15 23 56.6	−0.5643	5360	−2800
25	16 7 38.6	+1.3406	5371	−2843
26	16 12 34.5	−0.9141	5378	−2869
31	21 2 19.0	+0.3986	5988	−1399
32	21 3 18.1	−0.1522	5991	−1369
33	21 5 14.2	+0.3749	5997	−1309
34	21 13 29.2	−1.0760	6024	−1048
♀	21 14 55.5	+0.4068	5853	−0942
35	21 16 29.7	−0.5297	6028	−0949
36	21 18 50.6	+1.0416	6031	−0869
37	22 21 10.4	−0.3308	5992	+0011
40	23 19 10.6	−0.2587	5859	+0706
41	23 22 56.3	−0.6639	5829	+0821
42	24 3 31.8	+1.1746	5790	+0950
43	24 15 21.2	−0.4941	5681	+1263
44	24 15 37.7	−0.2870	5678	+1269
45	26 6 29.5	+1.1553	5305	+2038
♃	26 8 1.7	−0.9996	5262	+2062
47	26 15 6.4	−0.2203	5230	+2158
50	27 6 38.8	−0.1999	5110	+2332
52	27 15 39.1	−0.1845	5050	+2412
54	28 14 13.9	+1.1487	4936	+2547
56	29 2 58.1	−0.0283	4896	+2585
1	31 7 28.4	+1.2537	4899	+2485
	Nov.			
3	3 4 28.1	+0.7752	5213	+1710
4	4 2 27.4	+0.9382	5337	+1298
5	4 2 36.4	+0.5642	5338	+1295
6	4 2 54.0	+0.7114	5340	+1288

Elemente der Sternbedeckungen 1914.

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Nov.			
	d h m			
7	4 3 8.5	+1.2070	5341	+1283
8	4 3 41.1	+1.1003	5343	+1272
9	4 4 28.4	+1.2540	5348	+1254
10	4 18 51.5	−0.8782	5418	+0938
11	4 19 54.1	+1.1212	5422	+0916
12	6 0 19.6	−0.6742	5517	+0221
13	6 12 12.1	+0.4432	5533	−0085
15	7 6 29.3	−0.6904	5529	−0561
16	8 3 46.7	+0.6645	5490	−1089
18	8 13 7.7	+0.1987	5463	−1310
19	9 15 56.3	−1.0693	5373	−1873
20	11 3 23.0	+0.5848	5276	−2439
21	11 8 16.3	−0.1392	5270	−2497
22	11 20 3.2	−0.4400	5261	−2624
23	12 9 32.6	−0.7984	5267	−2734
25	12 17 30.0	+1.1489	5280	−2779
26	12 22 35.5	−1.1295	5292	−2803
27	13 2 53.4	+1.3725	5304	−2816
28	14 7 48.9	+0.3631	5443	−2783
29	14 14 34.6	+0.0250	5486	−2745
37	19 7 9.5	−0.1482	6097	+0029
40	20 4 29.1	−0.0361	5968	+0736
41	20 8 7.6	−0.4286	5937	+0846
43	21 0 1.2	−0.2357	5784	+1298
44	21 0 17.2	−0.0312	5782	+1305
46	22 14 46.9	−1.1588	5368	+2079
♃	22 20 33.3	−0.4890	5262	+2144
47	22 22 27.2	+0.0834	5292	+2185
50	23 13 40.2	+0.1091	5157	+2353
52	23 22 31.1	+0.1245	5089	+2425
56	25 9 25.5	+0.2595	4907	+2577
3	30 10 43.6	+0.8082	5222	+1689
	Dez.			
4	1 8 37.6	+0.9162	5355	+1278
5	1 8 46.6	+0.5421	5357	+1273
6	1 9 4.1	+0.6887	5358	+1268

Nr.	Zeit der Konj. in AR.	q	p'	q'
	Dez.			
	d h m			
7	1 9 18.5	+1.1828	5359	+1263
8	1 9 50.9	+1.0750	5363	+1251
9	1 10 38.0	+1.2263	5367	+1236
10	2 0 56.1	−0.9361	5445	+0923
11	2 1 58.4	+1.0571	5450	+0897
12	3 6 12.5	−0.7987	5549	+0200
13	3 18 0.3	+0.2917	5565	−0109
15	4 12 11.6	−0.8778	5561	−0582
16	5 9 25.9	+0.4376	5509	−1109
18	5 18 47.4	−0.0446	5475	−1326
20	8 9 46.2	+0.2741	5226	−2418
21	8 14 46.2	−0.4599	5213	−2475
22	9 2 51.4	−0.7665	5193	−2590
23	9 16 44.8	−1.1269	5188	−2686
25	10 0 57.6	+0.8564	5193	−2730
27	10 10 40.1	+1.0940	5212	−2758
28	11 16 38.4	+0.1161	5341	−2714
29	11 23 38.8	−0.2135	5385	−2675
♂	19 18 18.8	−1.1299	5495	+2026
46	20 0 22.4	−0.8837	5453	+2128
47	20 7 50.4	+0.3561	5377	+2229
♃	20 14 26.3	+0.2034	5237	+2289
50	20 22 39.2	+0.4040	5236	+2396
52	21 7 16.3	+0.4296	5164	+2466
56	22 17 23.2	+0.5855	4956	+2601
2	25 20 28.6	−1.3023	4966	+2265
3	27 17 47.7	+0.9795	5210	+1664
4	28 15 40.3	+1.0380	5349	+1255
5	28 15 49.3	+0.6647	5350	+1252
6	28 16 6.8	+0.8102	5352	+1245
7	28 16 21.2	+1.3026	5353	+1240
8	28 16 53.5	+1.1937	5356	+1230
10	29 7 56.4	−0.8472	5445	+0898
11	29 8 58.5	+1.1392	5450	+0876
12	30 13 3.7	−0.7748	5569	+0179
13	31 0 46.0	+0.2853	5593	−0131
15	31 18 46.6	−0.9190	5594	−0607

Sternbedeckungen für Berlin 1914.

Tag		Nr.	Name	Eintritt mittl. Zeit	Q_1	Austritt mittl. Zeit	Q_2	Bemerkungen	
				h m	°	h m	°		h m
Jan.	31	1	δ Piscium	10 21.8	32.1	11 10.2	279.0	☾ Untg.	10 43
Febr.	3	3	ε Arietis	6 15.7	74.4	7 35.9	236.2	☾ i. Mer.	6 1
	10	21	α Leonis	18 45.3	125.1	19 35.5	289.5	☾ Untg.	19 53
März	3	5	19 Tauri	12 44.8	65.1	13 34.6	279.2	☾ Untg.	13 25
	3	6	20 Tauri	12 57.5	92.2	13 48.1	252.0		
	10	22	ρ Leonis	16 28.0	69.2	17 2.0	350.5	☾ Untg.	18 11
April	29	13	136 Tauri	9 18.1	118.7	10 10.3	256.0	☾ Untg.	12 23
Mai	1	18	κ Geminorum	8 32.7	178.4	8 58.1	224.2	☾ i. Mer.	4 58
	16	51	ι Aquarii	14 58.9	41.1	16 8.7	262.0	☾ Aufg.	13 40
	30	♂	Mars	6 10.5	124.9	7 23.5	298.2	☾ i. Mer.	4 39
	31	21	α Leonis	5 59.8	106.5	7 7.8	322.6	☾ i. Mer.	5 29
Juni	12	49	δ Capricorni	13 30.8	123.7	14 7.0	181.8	☾ Aufg.	11 45
	20	7	23 Tauri	12 51.7	104.2	13 34.1	223.6		
	20	8	η Tauri	13 17.7	84.3	14 6.9	242.1	☾ Aufg.	13 23
	20	9	27 Tauri	14 3.7	128.8	14 32.3	196.0		
	27	20	ν Leonis	7 46.6	141.5	8 41.6	279.0	☾ Untg.	10 48
Aug.	3	42	τ Sagittarii	8 17.2	77.1	9 32.6	264.7	☾ Aufg.	7 1
	5	45	η Capricorni	11 13.9	54.6	12 29.5	248.6	☾ i. Mer.	12 5
	10	1	δ Piscium	9 18.7	89.6	10 10.7	211.4	☾ Aufg.	8 49
	16	13	136 Tauri	12 35.1	87.0	13 28.3	261.0	☾ Aufg.	11 9
Sept.	10	5	19 Tauri	12 21.1	94.1	13 22.7	220.0	☾ i. Mer.	16 28
Okt.	1	54	λ Aquarii	7 5.2	48.5	8 18.6	244.4	☾ i. Mer.	10 12
	26	45	η Capricorni	5 40.4	99.0	6 42.6	205.3	☾ i. Mer.	6 43
	31	1	δ Piscium	5 49.3	109.7	6 29.9	184.3	☾ Aufg.	3 25
Nov.	6	13	136 Tauri	10 46.8	68.1	11 55.8	279.4	☾ i. Mer.	14 52
	25	56	B. A. C. 8094	10 31.8	350.1	10 58.6	303.1	☾ Untg.	12 43
Dez.	1	4	17 Tauri	7 15.6	125.1	7 53.0	190.4		
	1	5	19 Tauri	7 29.7	45.9	8 36.3	269.4	☾ i. Mer.	11 5
	1	6	20 Tauri	7 41.0	80.2	8 52.2	235.2		
	5	16	*A* Geminorum	7 54.2	59.0	8 42.2	309.9	☾ Aufg.	5 42
	21	52	e^2 Aquarii	8 0.0	32.1	8 55.6	264.5	☾ Untg.	9 9
	28	5	19 Tauri	16 25.0	77.5	17 18.6	270.1	☾ Untg.	17 43
	28	6	20 Tauri	16 40.8	102.0	17 31.4	245.5		

TRABANT I.

Geoz. Obere Konj. Mittlere Zeit				b/a	Geoz. Obere Konj. Mittlere Zeit				b/a	Geoz. Obere Konj. Mittlere Zeit				b/a
		h	m				h	m				h	m	
Jan.	2	9	33.8	−0.0187	März	21	7	48.1	−0.0064	Juni	7	4	58.7	+0.0039
	4	4	4.3	185		23	2	18.0	62		8	23	26.2	40
	5	22	34.9	183		24	20	47.8	59		10	17	53.6	42
	7	17	5.3	180		26	15	17.6	56		12	12	21.0	43
	9	11	35.9	178		28	9	47.5	53		14	6	48.5	43
	11	6	6.2	175		30	4	17.2	51		16	1	15.7	44
	13	0	36.9	173		31	22	47.0	48		17	19	43.0	45
	14	19	7.3	170	April	2	17	16.5	45		19	14	10.0	46
	16	13	37.9	167		4	11	46.2	43		21	8	37.1	47
	18	8	8.2	165		6	6	15.8	40		23	3	4.0	48
	20	2	38.8	163		8	0	45.3	37		24	21	31.0	49
	21	21	9.1	160		9	19	14.7	35		26	15	57.9	50
	23	15	39.7	157		11	13	44.2	32		28	10	24.7	51
	25	10	10.2	154		13	8	13.7	30		30	4	51.3	52
	27	4	40.7	151		15	2	43.1	27	Juli	1	23	18.2	53
	28	23	11.0	148		16	21	12.3	24		3	17	44.7	53
	30	17	41.6	146		18	15	41.7	21		5	12	11.3	54
Febr.	1	12	12.0	143		20	10	11.0	19		7	6	37.8	54
	3	6	42.6	140		22	4	40.2	17		9	1	4.3	55
	5	1	12.9	138		23	23	9.2	14		10	19	30.6	55
	6	19	43.4	135		25	17	38.4	11		12	13	57.0	55
	8	14	13.8	132		27	12	7.3	08		14	8	23.3	55
	10	8	44.2	129		29	6	36.3	06		16	2	49.7	55
	12	3	14.6	126	Mai	1	1	5.2	04		17	21	15.8	55
	13	21	44.9	123		2	19	34.2	−0.0001		19	15	41.9	55
	15	16	15.2	120		4	14	2.9	+0.0001		21	10	8.1	55
	17	10	45.6	117		6	8	31.8	04		23	4	34.2	55
	19	5	16.0	114		8	3	0.4	07		24	23	0.3	54
	20	23	46.3	111		9	21	29.0	09		26	17	26.3	54
	22	18	16.6	109		11	15	57.6	11		28	11	52.4	54
	24	12	47.0	107		13	10	26.1	13		30	6	18.4	53
	26	7	17.1	104		15	4	54.6	15	Aug.	1	0	44.3	52
	28	1	47.4	100		16	23	23.0	18		2	19	10.3	51
März	1	20	17.6	097		18	17	51.3	20		4	13	36.2	50
	3	14	47.7	094		20	12	19.5	22		6	8	2.2	50
	5	9	17.8	091		22	6	47.7	23		8	2	28.1	49
	7	3	48.1	088		24	1	15.9	25		9	20	54.1	48
	8	22	18.2	086		25	19	44.0	27		11	15	20.0	47
	10	16	48.4	083		27	14	11.9	29		13	9	46.0	46
	12	11	18.2	081		29	8	39.9	30		15	4	11.9	46
	14	5	48.3	078		31	3	7.9	32		16	22	38.0	45
	16	0	18.3	074	Juni	1	21	35.7	34		18	17	4.0	44
	17	18	48.4	071		3	16	3.5	36		20	11	30.0	44
	19	13	18.1	067		5	10	31.0	37		22	5	56.0	43

TRABANT I. (Fortsetzung.)

Geoz. Obere Konj.	Mittlere Zeit h m	b/a	Geoz. Obere Konj.	Mittlere Zeit h m	b/a	Geoz. Obere Konj.	Mittlere Zeit h m	b/a
Aug. 24	0 22.2	+0.0042	Okt. 7	5 31.9	+0.0019	Nov. 20	11 25.2	+0.0023
25	18 48.3	41	8	23 59.7	18	22	5 54.6	24
27	13 14.5	40	10	18 27.4	17	24	0 24.0	26
29	7 40.7	40	12	12 55.3	17	25	18 53.5	27
31	2 6.9	39	14	7 23.2	17	27	13 23.0	28
Sept. 1	20 33.2	37	16	1 51.1	17	29	7 52.6	29
3	14 59.5	35	17	20 19.2	17	Dez. 1	2 22.2	30
5	9 25.8	34	19	14 47.3	17	2	20 51.8	31
7	3 52.3	33	21	9 15.4	17	4	15 21.5	33
8	22 18.8	32	23	3 43.8	17	6	9 51.3	34
10	16 45.4	31	24	22 12.1	16	8	4 20.9	35
12	11 11.9	30	26	16 40.6	16	9	22 50.8	37
14	5 38.7	29	28	11 9.1	16	11	17 20.7	39
16	0 5.4	28	30	5 37.7	16	13	11 50.5	40
17	18 32.3	27	Nov. 1	0 6.3	16	15	6 20.5	42
19	12 59.0	26	2	18 35.0	17	17	0 50.5	44
21	7 26.1	25	4	13 3.7	17	18	19 20.5	46
23	1 53.0	24	6	7 32.5	18	20	13 50.5	48
24	20 20.2	24	8	2 1.4	18	22	8 20.6	49
26	14 47.3	23	9	20 30.4	19	24	2 50.6	51
28	9 14.5	22	11	14 59.4	19	25	21 20.7	52
30	3 41.8	22	13	9 28.4	20	27	15 50.9	53
Okt. 1	22 9.3	21	15	3 57.6	20	29	10 21.1	54
3	16 36.8	20	16	22 26.8	21	31	4 51.2	55
5	11 4.3	20	18	16 56.0	22			

TRABANT II.

Geoz. Obere Konj.	Mittlere Zeit h m	b/a	Geoz. Obere Konj.	Mittlere Zeit h m	b/a	Geoz. Obere Konj.	Mittlere Zeit h m	b/a
Jan. 2	17 10.0	−0.0186	März 14	21 31.1	−0.0076	Mai 25	0 5.5	+0.0026
6	6 35.5	182	18	10 54.2	69	28	13 20.4	30
9	20 1.8	177	22	0 17.1	63	Juni 1	2 34.8	33
13	9 27.2	173	25	13 39.7	58	4	15 48.7	37
16	22 53.4	167	29	3 2.2	52	8	5 2.0	39
20	12 18.8	162	April 1	16 24.0	47	11	18 14.5	42
24	1 44.8	156	5	5 45.7	42	15	7 26.7	44
27	15 10.3	150	8	19 7.1	36	18	20 38.2	46
31	4 36.0	145	12	8 28.1	31	22	9 49.4	47
Febr. 3	18 1.3	139	15	21 48.7	25	25	23 0.0	50
7	7 26.9	134	19	11 8.9	21	29	12 10.0	52
10	20 52.0	128	23	0 28.6	16	Juli 3	1 19.5	53
14	10 17.2	123	26	13 47.9	10	6	14 28.5	54
17	23 42.2	116	30	3 6.8	−0.0005	10	3 37.3	55
21	13 6.9	110	Mai 3	16 25.2	0.0000	13	16 45.6	55
25	2 31.5	105	7	5 43.2	+0.0005	17	5 53.4	55
28	15 55.9	099	10	19 0.7	10	20	19 0.9	55
März 4	5 20.0	093	14	8 17.7	14	24	8 8.2	54
7	18 44.0	087	17	21 34.1	19	27	21 15.2	54
11	8 7.7	082	21	10 50.0	22	31	10 22.1	53

TRABANT II. (Fortsetzung.)

Geoz. Obere Konj. Mittlere Zeit	h m	b/a	Geoz. Obere Konj. Mittlere Zeit	h m	b/a	Geoz. Obere Konj. Mittlere Zeit	h m	b/a
Aug. 3	23 28.8	+0.0051	Sept. 26	4 37.1	+0.0023	Nov. 18	11 48.3	+0.0021
7	12 35.6	49	29	17 49.3	22	22	1 10.1	24
11	1 42.2	47	Okt. 3	7 2.6	20	25	14 31.4	27
14	14 49.3	46	6	20 16.0	19	29	3 54.1	29
18	3 56.1	44	10	9 30.7	17	Dez. 2	17 16.2	31
21	17 3.5	43	13	22 45.2	17	6	6 39.6	34
25	6 10.7	42	17	12 1.3	17	9	20 2.4	37
28	19 18.6	40	21	1 17.1	17	13	9 26.7	40
Sept. 1	8 26.5	38	24	14 34.4	16	16	22 50.1	44
4	21 35.1	34	28	3 51.5	16	20	12 15.0	48
8	10 43.9	32	31	17 10.1	16	24	1 39.1	51
11	23 53.5	30	Nov. 4	6 28.3	17	27	15 4.4	53
15	13 3.4	28	7	19 48.0	18	31	4 28.8	55
19	2 14.2	26	11	9 7.4	19			
22	15 25.1	24	14	22 28.0	20			

TRABANT III.

Geoz. Obere Konj. Mittlere Zeit	h m	b/a	Geoz. Obere Konj. Mittlere Zeit	h m	b/a	Geoz. Obere Konj. Mittlere Zeit	h m	b/a
Jan. 5	2 59.1	−0.0184	Mai 7	5 26.9	+0.0005	Sept. 5	17 24.7	+0.0034
12	7 29.3	174	14	9 27.9	14	12	20 48.9	30
19	11 59.9	163	21	13 25.1	23	20	0 17.0	26
26	16 31.3	151	28	17 17.6	30	27	3 49.7	23
Febr. 2	21 1.9	141	Juni 4	21 5.5	37	Okt. 4	7 28.1	20
10	1 32.4	129	12	0 48.8	42	11	11 10.9	17
17	6 1.5	118	19	4 27.5	46	18	14 58.5	17
24	10 29.8	107	26	8 2.4	50	25	18 50.5	16
März 3	14 56.8	094	Juli 3	11 32.4	53	Nov. 1	22 47.2	17
10	19 22.4	083	10	14 58.5	55	9	2 48.7	18
17	23 46.9	070	17	18 20.5	55	16	6 54.1	20
25	4 9.1	059	24	21 39.5	54	23	11 4.1	25
April 1	8 29.6	048	Aug. 1	0 56.3	52	30	15 17.2	30
8	12 46.8	036	8	4 12.1	49	Dez. 7	19 33.6	35
15	17 1.5	025	15	7 28.6	46	14	23 52.4	42
22	21 13.0	016	22	10 45.5	43	22	4 13.6	49
30	1 21.3	005	29	14 4.1	39	29	8 37.3	54

TRABANT IV.

Geoz. Obere Konj. Mittlere Zeit	h m	b/a	Geoz. Obere Konj. Mittlere Zeit	h m	b/a	Geoz. Obere Konj. Mittlere Zeit	h m	b/a
Jan. 13	13 12.8	−0.0151	Mai 28	3 35.0	+0.0022	Okt. 8	4 58.1	+0.0023
30	10 7.1	132	Juni 13	20 24.8	36	24	22 0.0	20
Febr. 16	6 57.6	107	30	12 14.4	45	Nov. 10	16 2.7	21
März 5	3 37.4	085	Juli 17	3 11.1	50	27	10 57.1	28
21	23 57.6	060	Aug. 2	17 28.5	49	Dez. 14	6 34.0	38
April 7	19 51.5	036	19	7 33.7	44	31	2 44.4	48
24	15 12.2	−0.0014	Sept. 4	21 54.8	36			
Mai 11	9 49.4	+0.0005	21	12 57.7	29			

TRABANT I.

Eintritte				Eintritte				Eintritte				Austritte			
	h	m	s		h	m	s		h	m	s		h	m	s
Febr. 19	3	37	2	April 29	4	8	56	Juli 7	4	41	9	Sept. 9	0	9	36
20	22	5	38	30	22	37	21	8	23	9	48	10	18	38	25
22	16	34	8	Mai 2	17	5	54	10	17	38	20	12	13	7	10
24	11	2	43	4	11	34	21	12	12	6	58	14	7	35	58
26	5	31	12	6	6	2	53	14	6	35	32	16	2	4	43
27	23	59	47	8	0	31	18	16	1	4	12	17	20	33	34
März 1	18	28	17	9	18	59	51	17	19	32	45	19	15	2	19
3	12	56	51	11	13	28	18	19	14	1	25	21	9	31	8
5	7	25	20	13	7	56	51	21	8	30	0	23	3	59	54
7	1	53	54	15	2	25	17	23	2	58	42	24	22	28	46
8	20	22	23	16	20	53	50	24	21	27	16	26	16	57	32
10	14	50	56	18	15	22	17	26	15	55	57	28	11	26	22
12	9	19	24	20	9	50	50	28	10	24	34	30	5	55	9
14	3	47	59	22	4	19	16	30	4	53	17	Okt. 2	0	24	1
15	22	16	27	23	22	47	49	31	23	21	53	3	18	52	48
17	16	45	0	25	17	16	17	Aug. 2	17	50	35	5	13	21	38
19	11	13	27	27	11	44	51	4	12	19	13	7	7	50	25
21	5	42	1	29	6	13	16	6	6	47	57	9	2	19	18
23	0	10	29	31	0	41	50	8	1	16	35	10	20	48	5
24	18	39	2	Juni 1	19	10	18	9	19	45	19	12	15	16	55
26	13	7	29	3	13	38	52					14	9	45	44
28	7	36	2	5	8	7	19					16	4	14	36
30	2	4	30	7	2	35	53	Austritte				17	22	43	24
31	20	33	3	8	21	4	21	Aug. 11	16	29	54	19	17	12	14
April 2	15	1	29	10	15	32	56	13	10	58	38	21	11	41	2
4	9	30	2	12	10	1	24	15	5	27	17	23	6	9	55
6	3	58	30	14	4	29	58	16	23	56	1	25	0	38	44
7	22	27	2	15	22	58	28	18	18	24	41	26	19	7	34
9	16	55	28	17	17	27	3	20	12	53	27	28	13	36	22
11	11	24	1	19	11	55	31	22	7	22	7	30	8	5	14
13	5	52	28	21	6	24	7	24	1	50	52	Nov. 1	2	34	3
15	0	21	1	23	0	52	37	25	20	19	34	2	21	2	53
16	18	49	26	24	19	21	14	27	14	48	22	4	15	31	42
18	13	17	59	26	13	49	43	29	9	17	3	6	10	0	33
20	7	46	26	28	8	18	20	31	3	45	49	8	4	29	22
22	2	14	58	30	2	46	51	Sept. 1	22	14	32	9	22	58	12
23	20	43	23	Juli 1	21	15	29	3	16	43	21	11	17	27	0
25	15	11	56	3	15	43	59	5	11	12	4	13	11	55	51
27	9	40	23	5	10	12	36	7	5	40	51	15	6	24	40

TRABANT I. (Fortsetzung.)

Austritte	h m s	Austritte	h m s	Austritte	h m s	Austritte	h m s
Nov. 17	0 53 29	Nov. 29	10 15 11	Dez. 11	19 36 44	Dez. 24	4 58 8
18	19 22 17	Dez. 1	4 43 59	13	14 5 31	25	23 26 54
20	13 51 8	2	23 12 46	15	8 34 18	27	17 55 40
22	8 19 56	4	17 41 35	17	3 3 3	29	12 24 24
24	2 48 45	6	12 10 22	18	21 31 51	31	6 53 9
25	21 17 32	8	6 39 19	20	16 0 37		
27	15 46 22	10	1 7 56	22	10 29 23		

TRABANT II.

Eintritte	h m s	Eintritte	h m s	Eintritte	h m s	Austritte	h m s
Febr. 21	10 35 3	Mai 14	4 9 58	Aug. 3	21 43 37	Okt. 14	2 41 45
24	23 52 36	17	17 26 50	7	11 1 20	17	16 1 7
28	13 10 16	21	6 43 42			21	5 19 46
März 4	2 27 44	24	20 0 34	Austritte		24	18 39 14
7	15 45 16	28	9 17 27			28	7 57 56
11	5 2 39	31	22 34 20	Aug. 11	3 9 51	31	21 17 30
14	18 20 4	Juni 4	11 51 13	14	16 27 49	Nov. 4	10 36 14
18	7 37 22	8	1 8 9	18	5 45 41	7	23 55 54
21	20 54 41	11	14 25 4	21	19 3 49	11	13 14 39
25	10 11 54	15	3 42 2	25	8 21 48	15	2 34 23
28	23 29 7	18	16 59 0	28	21 40 6	18	15 53 9
April 1	12 46 16	22	6 16 2	Sept. 1	10 58 11	22	5 12 56
5	2 3 24	25	19 33 4	5	0 16 39	25	18 31 43
8	15 20 30	29	8 50 10	8	13 34 50	29	7 51 33
12	4 37 32	Juli 2	22 7 17	12	2 53 28	Dez. 2	21 10 20
15	17 54 35	6	11 24 27	15	16 11 45	6	10 30 11
19	7 11 33	10	0 41 39	19	5 30 32	9	23 48 58
22	20 28 32	13	13 58 55	22	18 48 54	13	13 8 50
26	9 45 28	17	3 16 14	26	8 7 52	17	2 27 35
29	23 2 24	20	16 33 35	29	21 26 19	20	15 47 26
Mai 3	12 19 18	24	5 51 1	Okt. 3	10 45 25	24	5 6 10
7	1 36 13	27	19 8 29	7	0 3 56	27	18 26 2
10	14 53 5	31	8 26 3	10	13 23 10	31	7 44 42

TRABANT III.

Mitte der Verfinsterung		Halbe Dauer	Mitte der Verfinsterung		Halbe Dauer
	h m s	h m s		h m s	h m s
Febr. 24	8 2 52	1 44 44	Juli 31	23 58 1	1 46 43
März 3	12 2 21	1 44 56	Aug. 8	3 58 26	1 46 41
10	16 1 55	1 45 8	15	7 59 37	1 46 38
17	20 2 5	1 45 19	22	12 0 26	1 46 34
25	0 1 48	1 45 30	29	16 1 35	1 46 29
April 1	4 1 48	1 45 40	Sept. 5	20 2 19	1 46 24
8	8 1 12	1 45 49	13	0 3 3	1 46 18
15	12 0 27	1 45 58	20	4 4 4	1 46 11
22	15 59 48	1 46 6	27	8 5 16	1 46 4
29	19 59 15	1 46 13	Okt. 4	12 7 10	1 45 56
Mai 6	23 59 21	1 46 20	11	16 8 37	1 45 47
14	3 59 2	1 46 25	18	20 10 17	1 45 38
21	7 59 1	1 46 30	26	0 11 29	1 45 28
28	11 58 28	1 46 35	Nov. 2	4 12 37	1 45 17
Juni 4	15 57 50	1 46 38	9	8 13 58	1 45 6
11	19 57 24	1 46 41	16	12 15 24	1 44 54
18	23 57 6	1 46 44	23	16 17 27	1 44 42
26	3 57 32	1 46 45	30	20 18 57	1 44 29
Juli 3	7 57 34	1 46 46	Dez. 8	0 20 34	1 44 15
10	11 57 57	1 46 47	15	4 21 40	1 44 1
17	15 57 53	1 46 46	22	8 22 38	1 43 46
24	19 57 49	1 46 45	29	12 23 49	1 43 30

TRABANT IV.

	h m s	h m s		h m s	h m s
März 4	20 37 53	2 12 15	Aug. 19	9 44 50	2 21 40
21	14 43 34	2 14 1	Sept. 5	3 54 44	2 21 36
April 7	8 49 6	2 15 36	21	22 5 59	2 21 21
24	2 55 8	2 16 59	Okt. 8	16 17 16	2 20 55
Mai 10	21 0 44	2 18 12	25	10 29 6	2 20 17
27	15 6 32	2 19 14	Nov. 11	4 41 46	2 19 28
Juni 13	9 13 14	2 20 5	27	22 54 3	2 18 27
30	3 19 15	2 20 45	Dez. 14	17 6 24	2 17 15
Juli 16	21 27 12	2 21 14	31	11 19 5	2 15 50
Aug. 2	15 35 54	2 21 33			

0^h		α	β	p_a	a	b	U'	B'	P'
		″	″	″	″	″	° ′	° ′	° ′
Jan.	3	20.41	18.72	+0.02	45.98	—20.35	267 4.6	—26 32.9	+1 22.6
	7	20.32	18.64	0.02	45.78	20.26	267 14.6	26 33.5	1 17.8
	11	20.23	18.55	0.02	45.56	20.16	267 24.6	26 34.0	1 13.1
	15	20.13	18.45	0.03	45.32	20.06	267 34.6	26 34.5	1 8.4
	19	20.01	18.35	+0.03	45.07	—19.95	267 44.6	—26 35.0	+1 3.7
	23	19.89	18.24	0.04	44.80	19.84	267 54.6	26 35.5	0 59.0
	27	19.76	18.13	0.04	44.52	19.72	268 4.6	26 35.9	0 54.3
	31	19.63	18.01	0.04	44.22	19.60	268 14.6	26 36.4	0 49.6
Febr.	4	19.50	17.88	+0.05	43.92	—19.47	268 24.6	—26 36.8	+0 44.9
	8	19.36	17.76	0.05	43.61	19.35	268 34.6	26 37.2	0 40.2
	12	19.22	17.63	0.05	43.30	19.22	268 44.6	26 37.6	0 35.5
	16	19.08	17.51	0.05	42.98	19.09	268 54.6	26 38.0	0 30.8
	20	18.94	17.38	+0.06	42.66	—18.96	269 4.6	—26 38.4	+0 26.0
	24	18.80	17.25	0.06	42.35	18.83	269 14.6	26 38.8	0 21.3
	28	18.66	17.12	0.06	42.03	18.71	269 24.6	26 39.2	0 16.6
März	4	18.53	17.00	0.06	41.72	18.58	269 34.6	26 39.6	0 11.9
	8	18.39	16.87	+0.06	41.42	—18.46	269 44.6	—26 39.9	+0 7.2
	12	18.25	16.75	0.05	41.12	18.34	269 54.6	26 40.3	+0 2.5
	16	18.12	16.63	0.05	40.83	18.23	270 4.6	26 40.6	—0 2.2
	20	18.00	16.51	0.05	40.54	18.12	270 14.6	26 40.9	0 6.9
	24	17.88	16.40	+0.05	40.27	—18.02	270 24.6	—26 41.2	—0 11.7
	28	17.76	16.29	0.04	40.00	17.92	270 34.6	26 41.5	0 16.4
April	1	17.64	16.19	0.04	39.75	17.83	270 44.6	26 41.8	0 21.1
	5	17.54	16.09	0.04	39.51	17.74	270 54.6	26 42.1	0 25.8
	9	17.44	16.00	+0.04	39.28	—17.65	271 4.7	—26 42.3	—0 30.5
	13	17.34	15.91	+0.03	39.06	—17.57	271 14.7	—26 42.5	—0 35.2
Okt.	22	19.52	17.90	+0.05	43.98	—19.30	279 16.5	—26 40.1	—4 21.2
	26	19.66	18.03	0.04	44.28	19.44	279 26.6	26 39.7	4 25.9
	30	19.79	18.15	0.04	44.57	19.58	279 36.6	26 39.4	4 30.5
Nov.	3	19.92	18.26	0.04	44.86	19.71	279 46.6	26 39.0	4 35.2
	7	20.03	18.37	+0.03	45.13	—19.84	279 56.7	—26 38.6	—4 39.9
	11	20.15	18.47	0.03	45.39	19.97	280 6.7	26 38.2	4 44.6
	15	20.26	18.57	0.02	45.63	20.09	280 16.7	26 37.8	4 49.2
	19	20.35	18.67	0.02	45.85	20.21	280 26.8	26 37.4	4 53.9
	23	20.44	18.75	+0.02	46.05	—20.32	280 36.8	—26 37.0	—4 58.6
	27	20.52	18.82	0.01	46.23	20.42	280 46.8	26 36.6	5 3.2
Dez.	1	20.59	18.88	0.01	46.38	20.51	280 56.8	26 36.2	5 7.9
	5	20.64	18.94	0.01	46.51	20.60	281 6.9	26 35.7	5 12.5
	9	20.69	18.98	+0.00	46.61	—20.67	281 16.9	—26 35.3	—5 17.2
	13	20.73	19.01	0.00	46.68	20.73	281 26.9	26 34.8	5 21.8
	17	20.75	19.03	0.00	46.73	20.78	281 37.0	26 34.3	5 26.5
	21	20.75	19.04	0.00	46.74	20.81	281 47.0	26 33.8	5 31.1
	25	20.74	19.04	+0.00	46.73	—20.83	281 57.0	—26 33.3	—5 35.8
	29	20.72	19.02	0.00	46.68	20.84	282 7.0	26 32.8	5 40.4
	33	20.69	18.99	+0.00	46.61	—20.83	282 17.1	—26 32.2	—5 45.0

0^h	U	B	P
Jan. 1	306° 15.5'	−26° 16.4'	−4° 20.1'
3	306 6.5	26 16.4	4 19.2
5	305 57.7	26 16.4	4 18.2
7	305 49.3	26 16.4	4 17.3
9	305 41.3	26 16.4	4 16.4
11	305 33.7	−26 16.4	−4 15.6
13	305 26.5	26 16.4	4 14.8
15	305 19.8	26 16.5	4 14.1
17	305 13.5	26 16.6	4 13.5
19	305 7.6	26 16.7	4 12.9
21	305 2.2	−26 16.9	−4 12.3
23	304 57.2	26 17.1	4 11.8
25	304 52.7	26 17.3	4 11.3
27	304 48.6	26 17.5	4 10.9
29	304 45.0	26 17.8	4 10.5
31	304 41.9	−26 18.1	−4 10.2
Febr. 2	304 39.3	26 18.4	4 9.9
4	304 37.1	26 18.7	4 9.7
6	304 35.5	26 19.1	4 9.5
8	304 34.3	26 19.5	4 9.4
10	304 33.6	−26 20.0	−4 9.3
12	304 33.5	26 20.5	4 9.3
14	304 33.9	26 21.0	4 9.4
16	304 34.8	26 21.6	4 9.5
18	304 36.2	26 22.2	4 9.7
20	304 38.1	−26 22.8	−4 9.9
22	304 40.5	26 23.4	4 10.2
24	304 43.4	26 24.1	4 10.5
26	304 46.7	26 24.8	4 10.9
28	304 50.6	26 25.5	4 11.3
März 2	304 54.9	−26 26.2	−4 11.8
4	304 59.7	26 27.0	4 12.4
6	305 5.0	26 27.8	4 13.0
8	305 10.8	26 28.6	4 13.6
10	305 17.1	26 29.4	4 14.3
12	305 23.8	−26 30.2	−4 15.0
14	305 31.0	26 31.0	4 15.8
16	305 38.5	26 31.9	4 16.6
18	305 46.6	26 32.7	4 17.5
20	305 55.0	26 33.6	4 18.4
22	306 3.9	−26 34.4	−4 19.3
24	306 13.1	26 35.3	4 20.3
26	306 22.7	26 36.1	4 21.3
28	306 32.8	26 37.0	4 22.4
30	306 43.3	26 37.8	4 23.5
April 1	306 54.1	−26 38.7	−4 24.7

0^h	U	B	P
April 1	306° 54.1'	−26° 38.7'	−4° 24.7'
3	307 5.3	26 39.6	4 25.9
5	307 16.8	26 40.4	4 27.1
7	307 28.6	26 41.3	4 28.4
9	307 40.8	−26 42.1	−4 29.7
11	307 53.3	26 42.9	4 31.0
13	308 6.2	26 43.7	4 32.3
15	308 19.3	26 44.5	4 33.7
17	308 32.7	−26 45.3	−4 35.1
Okt. 22	328 2.6	−26 1.8	−6 17.4
24	328 0.6	26 2.0	6 17.3
26	327 58.1	26 2.2	6 17.1
28	327 55.1	26 2.5	6 16.9
30	327 51.7	−26 2.8	−6 16.6
Nov. 1	327 47.8	26 3.2	6 16.3
3	327 43.4	26 3.6	6 16.0
5	327 38.6	26 4.1	6 15.7
7	327 33.3	−26 4.6	−6 15.3
9	327 27.6	26 5.2	6 14.9
11	327 21.4	26 5.9	6 14.5
13	327 14.8	26 6.6	6 14.0
15	327 7.8	−26 7.4	−6 13.5
17	327 0.4	26 8.2	6 13.0
19	326 52.7	26 9.1	6 12.5
21	326 44.6	26 10.0	6 11.9
23	326 36.2	−26 10.9	−6 11.3
25	326 27.4	26 11.9	6 10.7
27	326 18.3	26 12.9	6 10.1
29	326 9.0	26 13.9	6 9.4
Dez. 1	325 59.4	−26 15.0	−6 8.7
3	325 49.6	26 16.1	6 8.0
5	325 39.5	26 17.2	6 7.3
7	325 29.2	26 18.3	6 6.6
9	325 18.8	−26 19.4	−6 5.8
11	325 8.2	26 20.5	6 5.0
13	324 57.4	26 21.6	6 4.2
15	324 46.6	26 22.7	6 3.4
17	324 35.8	−26 23.9	−6 2.6
19	324 24.8	26 25.0	6 1.8
21	324 13.8	26 26.2	6 0.9
23	324 2.7	26 27.4	6 0.0
25	323 51.5	−26 28.5	−5 59.1
27	323 40.4	26 29.7	5 58.3
29	323 29.4	26 30.8	5 57.5
31	323 18.7	26 31.9	5 56.8
33	323 8.4	−26 32.9	−5 56.2

MIMAS.

0^h	L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
Jan. 1	158° 33.9'	135.00°	1.49683	−13.90"
3	202 33.8	176.99	1.49598	−13.87
5	246 33.7	218.99	1.49507	−13.84
7	290 33.6	260.99	1.49411	−13.81
9	334 33.4	302.98	1.49310	−13.78
11	18 33.3	344.98	1.49203	−13.74
13	62 33.2	26.98	1.49092	−13.71
15	106 33.0	68.97	1.48976	−13.67
17	150 32.9	110.97	1.48856	−13.64
19	194 32.8	152.97	1.48732	−13.60
21	238 32.7	194.97	1.48603	−13.56
23	282 32.5	236.96	1.48471	−13.52
25	326 32.4	278.96	1.48335	−13.48
27	10 32.2	320.96	1.48195	−13.44
29	54 32.1	2.96	1.48053	−13.40
31	98 31.9	44.95	1.47908	−13.36
Febr. 2	142 31.8	86.95	1.47760	−13.31
4	186 31.6	128.95	1.47609	−13.27
6	230 31.5	170.95	1.47457	−13.22
8	274 31.3	212.94	1.47303	−13.18
10	318 31.2	254.94	1.47147	−13.13
12	2 31.0	296.94	1.46989	−13.09
14	46 30.9	338.94	1.46830	−13.04
16	90 30.7	20.94	1.46671	−13.00
18	134 30.6	62.93	1.46510	−12.96
20	178 30.4	104.93	1.46349	−12.92
22	222 30.3	146.93	1.46187	−12.87
24	266 30.1	188.93	1.46025	−12.83
26	310 30.0	230.92	1.45863	−12.79
28	354 29.8	272.92	1.45701	−12.75
März 2	38 29.7	314.92	1.45540	−12.70
4	82 29.5	356.91	1.45379	−12.66
6	126 29.4	38.91	1.45219	−12.62
8	170 29.2	80.91	1.45060	−12.58
10	214 29.0	122.91	1.44902	−12.54
12	258 28.9	164.90	1.44745	−12.50
14	302 28.8	206.90	1.44590	−12.46
16	346 28.6	248.90	1.44436	−12.43
18	30 28.5	290.90	1.44283	−12.39
20	74 28.3	332.89	1.44133	−12.35
22	118 28.1	14.89	1.43984	−12.31
24	162 27.9	56.89	1.43838	−12.28
26	206 27.7	98.89	1.43694	−12.24
28	250 27.6	140.88	1.43552	−12.21
30	294 27.4	182.88	1.43412	−12.18
April 1	338 27.2	224.88	1.43275	−12.15

0^h	L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
April 1	338° 27.2'	224.88°	1.43275	−12.15"
3	22 27.0	266.88	1.43141	−12.12
5	66 26.9	308.87	1.43009	−12.09
7	110 26.7	350.87	1.42881	−12.06
9	154 26.6	32.87	1.42755	−12.03
11	198 26.4	74.87	1.42633	−12.00
13	242 26.3	116.86	1.42513	−11.97
15	286 26.1	158.86	1.42397	−11.94
17	330 25.9	200.86	1.42283	−11.92
Okt. 22	146 8.1	188.55	1.47663	−13.15
24	190 7.9	230.55	1.47813	−13.19
26	234 7.7	272.54	1.47961	−13.24
28	278 7.5	314.54	1.48106	−13.28
30	322 7.3	356.54	1.48249	−13.33
Nov. 1	6 7.0	38.53	1.48388	−13.38
3	50 6.8	80.53	1.48525	−13.43
5	94 6.6	122.53	1.48658	−13.48
7	138 6.4	164.52	1.48787	−13.52
9	182 6.2	206.52	1.48913	−13.57
11	226 5.9	248.51	1.49034	−13.61
13	270 5.7	290.51	1.49151	−13.65
15	314 5.5	332.51	1.49264	−13.69
17	358 5.2	14.50	1.49372	−13.73
19	42 5.0	56.50	1.49475	−13.77
21	86 4.8	98.50	1.49572	−13.81
23	130 4.6	140.49	1.49665	−13.85
25	174 4.3	182.49	1.49751	−13.89
27	218 4.1	224.48	1.49832	−13.92
29	262 3.9	266.48	1.49907	−13.95
Dez. 1	306 3.7	308.48	1.49976	−13.98
3	350 3.4	350.47	1.50040	−14.01
5	34 3.2	32.47	1.50096	−14.04
7	78 3.0	74.46	1.50147	−14.07
9	122 2.8	116.46	1.50191	−14.09
11	166 2.5	158.46	1.50228	−14.11
13	210 2.3	200.45	1.50259	−14.13
15	254 2.1	242.45	1.50282	−14.15
17	298 1.9	284.44	1.50299	−14.16
19	342 1.6	326.44	1.50309	−14.17
21	26 1.4	8.44	1.50313	−14.18
23	70 1.2	50.43	1.50309	−14.19
25	114 1.0	92.43	1.50298	−14.20
27	158 0.7	134.43	1.50280	−14.20
29	202 0.5	176.42	1.50256	−14.20
31	246 0.3	218.42	1.50225	−14.20
33	290 0.0	260.42	1.50187	−14.20

MIMAS.

M	$v - M$	$\log \frac{r}{a}$	M	M	$v - M$	$\log \frac{r}{a}$	M
0°	+0° 0′.0—	9.99167	360°	90°	+2° 10′.6—	0.00016	270°
2	0 4.7	9.99167	358	92	2 10.4	0.00044	268
4	0 9.3	9.99169	356	94	2 10.1	0.00073	266
6	0 14.0	9.99172	354	96	2 9.6	0.00101	264
8	0 18.6	9.99175	352	98	2 8.9	0.00130	262
10	+0 23.2—	9.99180	350	100	+2 8.1—	0.00158	260
12	0 27.8	9.99186	348	102	2 7.1	0.00186	258
14	0 32.3	9.99193	346	104	2 6.0	0.00214	256
16	0 36.8	9.99201	344	106	2 4.7	0.00241	254
18	0 41.3	9.99210	342	108	2 3.3	0.00268	252
20	+0 45.7—	9.99220	340	110	+2 1.7—	0.00295	250
22	0 50.0	9.99230	338	112	2 0.0	0.00321	248
24	0 54.3	9.99242	336	114	1 58.2	0.00347	246
26	0 58.5	9.99255	334	116	1 56.2	0.00373	244
28	1 2.6	9.99269	332	118	1 54.0	0.00398	242
30	+1 6.7—	9.99284	330	120	+1 51.8—	0.00422	240
32	1 10.6	9.99299	328	122	1 49.4	0.00446	238
34	1 14.5	9.99316	326	124	1 46.9	0.00469	236
36	1 18.3	9.99333	324	126	1 44.2	0.00492	234
38	1 22.0	9.99351	322	128	1 41.4	0.00514	232
40	+1 25.5—	9.99370	320	130	+1 38.6—	0.00536	230
42	1 29.0	9.99390	318	132	1 35.6	0.00557	228
44	1 32.3	9.99410	316	134	1 32.4	0.00577	226
46	1 35.5	9.99431	314	136	1 29.2	0.00597	224
48	1 38.6	9.99453	312	138	1 25.9	0.00616	222
50	+1 41.6—	9.99476	310	140	+1 22.5—	0.00634	220
52	1 44.5	9.99499	308	142	1 18.9	0.00651	218
54	1 47.2	9.99523	306	144	1 15.3	0.00668	216
56	1 49.7	9.99547	304	146	1 11.6	0.00683	214
58	1 52.2	9.99572	302	148	1 7.9	0.00698	212
60	+1 54.5—	9.99598	300	150	+1 4.0—	0.00713	210
62	1 56.6	9.99623	298	152	1 0.1	0.00726	208
64	1 58.6	9.99650	296	154	0 56.1	0.00738	206
66	2 0.5	9.99676	294	156	0 52.0	0.00750	204
68	2 2.2	9.99704	292	158	0 47.9	0.00760	202
70	+2 3.7—	9.99731	290	160	+0 43.7—	0.00770	200
72	2 5.1	9.99759	288	162	0 39.5	0.00779	198
74	2 6.4	9.99787	286	164	0 35.2	0.00787	196
76	2 7.5	9.99815	284	166	0 30.9	0.00794	194
78	2 8.4	9.99843	282	168	0 26.5	0.00800	192
80	+2 9.2—	9.99872	280	170	+0 22.2—	0.00805	190
82	2 9.8	9.99900	278	172	0 17.8	0.00810	188
84	2 10.2	9.99929	276	174	0 13.3	0.00813	186
86	2 10.5	9.99958	274	176	0 8.9	0.00815	184
88	2 10.6	9.99987	272	178	0 4.5	0.00817	182
90	+2 10.6—	0.00016	270	180	+0 0.0—	0.00817	180

ENCELADUS.

0^h	L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
Jan. 1	143° 47.5'	146.0°	1.60504	−17.83"
3	309 15.4	310.8	1.60419	17.79
5	114 43.2	115.6	1.60328	17.75
7	280 11.1	280.4	1.60232	17.71
9	85 38.9	85.2	1.60131	−17.67
11	251 6.7	250.0	1.60024	17.63
13	56 34.6	54.7	1.59913	17.59
15	222 2.4	219.5	1.59797	17.54
17	27 30.3	24.3	1.59677	−17.50
19	192 58.1	189.1	1.59553	17.45
21	358 25.9	353.9	1.59424	17.40
23	163 53.8	158.7	1.59292	17.35
25	329 21.6	323.5	1.59156	−17.30
27	134 49.5	128.3	1.59016	17.24
29	300 17.3	293.0	1.58874	17.19
31	105 45.2	97.8	1.58729	17.13
Febr. 2	271 13.0	262.6	1.58581	−17.08
4	76 40.9	67.4	1.58430	17.02
6	242 8.7	232.2	1.58278	16.97
8	47 36.6	37.0	1.58124	16.91
10	213 4.4	201.8	1.57968	−16.86
12	18 32.3	6.6	1.57810	16.80
14	184 0.1	171.3	1.57651	16.75
16	349 28.0	336.1	1.57492	16.69
18	154 55.8	140.9	1.57331	−16.63
20	320 23.7	305.7	1.57170	16.57
22	125 51.5	110.5	1.57008	16.52
24	291 19.4	275.3	1.56846	16.46
26	96 47.2	80.0	1.56684	−16.41
28	262 15.1	244.8	1.56522	16.35
März 2	67 42.9	49.6	1.56361	16.30
4	233 10.8	214.4	1.56200	16.24
6	38 38.6	19.2	1.56040	−16.19
8	204 6.5	184.0	1.55881	16.14
10	9 34.4	348.8	1.55723	16.09
12	175 2.2	153.6	1.55566	16.04
14	340 30.1	318.4	1.55411	−15.99
16	145 58.0	123.2	1.55257	15.94
18	311 25.8	288.0	1.55104	15.89
20	116 53.7	92.7	1.54954	15.85
22	282 21.5	257.5	1.54805	−15.80
24	87 49.4	62.3	1.54659	15.76
26	253 17.3	227.0	1.54515	15.71
28	58 45.1	31.8	1.54373	15.67
30	224 13.0	196.6	1.54233	−15.63
April 1	29 40.9	1.4	1.54096	−15.59

0^h	L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
April 1	29° 40.9'	1.4°	1.54096	−15.59"
3	195 8.7	166.2	1.53962	15.55
5	0 36.6	331.0	1.53830	15.51
7	166 4.4	135.8	1.53702	15.47
9	331 32.3	300.6	1.53576	−15.43
11	137 0.2	105.4	1.53454	15.39
13	302 28.1	270.2	1.53334	15.36
15	107 55.9	75.0	1.53218	15.32
17	273 23.8	239.7	1.53104	−15.29
Okt. 22	347 5.8	250.0	1.58484	−16.87
24	152 33.7	54.8	1.58634	16.93
26	318 1.6	219.6	1.58782	16.99
28	123 29.5	24.3	1.58927	17.05
30	288 57.4	189.1	1.59070	−17.11
Nov. 1	94 25.3	353.9	1.59209	17.17
3	259 53.2	158.7	1.59346	17.23
5	65 21.1	323.5	1.59479	17.29
7	230 49.0	128.3	1.59608	−17.35
9	36 16.9	293.0	1.59734	17.41
11	201 44.8	97.8	1.59855	17.46
13	7 12.8	262.6	1.59972	17.52
15	172 40.7	67.4	1.60085	−17.57
17	338 8.6	232.2	1.60193	17.62
19	143 36.5	37.0	1.60296	17.67
21	309 4.4	201.8	1.60393	17.72
23	114 32.3	6.6	1.60486	−17.76
25	280 0.2	171.4	1.60572	17.81
27	85 28.1	336.2	1.60653	17.85
29	250 56.0	141.0	1.60728	17.89
Dez. 1	56 24.0	305.8	1.60797	−17.93
3	221 51.9	110.6	1.60861	17.97
5	27 19.8	275.4	1.60917	18.01
7	192 47.7	80.2	1.60968	18.04
9	358 15.6	245.0	1.61012	−18.07
11	163 43.5	49.8	1.61049	18.10
13	329 11.4	214.5	1.61080	18.12
15	134 39.3	19.3	1.61103	18.14
17	300 7.2	184.1	1.61120	−18.16
19	105 35.1	348.9	1.61130	18.18
21	271 3.0	153.7	1.61134	18.19
23	76 30.9	318.5	1.61130	18.20
25	241 58.8	123.3	1.61119	−18.21
27	47 26.7	288.0	1.61101	18.22
29	212 54.6	92.8	1.61077	18.22
31	18 22.5	257.6	1.61046	18.22
33	183 50.4	62.4	1.61008	−18.22

ENCELADUS.

M	v — M	log r/a	M	M	v — M	log r/a	M
0°	+ 0.0′ —	9.99800	360°	90°	+ 31.6′ —	0.00001	270°
2	1.1	9.99800	358	92	31.6	0.00008	268
4	2.2	9.99800	356	94	31.5	0.00015	266
6	3.3	9.99801	354	96	31.4	0.00022	264
8	4.4	9.99802	352	98	31.3	0.00029	262
10	+ 5.5 —	9.99803	350	100	+ 31.1 —	0.00035	260
12	6.6	9.99804	348	102	30.9	0.00042	258
14	7.7	9.99806	346	104	30.6	0.00049	256
16	8.8	9.99808	344	106	30.3	0.00056	254
18	9.8	9.99810	342	108	30.0	0.00062	252
20	+ 10.9 —	9.99812	340	110	+ 29.7 —	0.00069	250
22	11.9	9.99814	338	112	29.3	0.00075	248
24	12.9	9.99817	336	114	28.8	0.00082	246
26	13.9	9.99820	334	116	28.3	0.00088	244
28	14.9	9.99823	332	118	27.8	0.00094	242
30	+ 15.9 —	9.99827	330	120	+ 27.3 —	0.00100	240
32	16.8	9.99830	328	122	26.7	0.00106	238
34	17.8	9.99834	326	124	26.1	0.00112	236
36	18.7	9.99838	324	126	25.5	0.00118	234
38	19.6	9.99842	322	128	24.8	0.00123	232
40	+ 20.4 —	9.99847	320	130	+ 24.1 —	0.00129	230
42	21.3	9.99852	318	132	23.4	0.00134	228
44	22.1	9.99856	316	134	22.7	0.00139	226
46	22.8	9.99861	314	136	21.9	0.00144	224
48	23.6	9.99866	312	138	21.1	0.00148	222
50	+ 24.3 —	9.99872	310	140	+ 20.2 —	0.00153	220
52	25.0	9.99877	308	142	19.4	0.00157	218
54	25.7	9.99883	306	144	18.5	0.00162	216
56	26.3	9.99889	304	146	17.6	0.00166	214
58	26.9	9.99895	302	148	16.7	0.00169	212
60	+ 27.5 —	9.99901	300	150	+ 15.7 —	0.00173	210
62	28.0	9.99907	298	152	14.8	0.00176	208
64	28.5	9.99913	296	154	13.8	0.00179	206
66	29.0	9.99919	294	156	12.8	0.00182	204
68	29.4	9.99926	292	158	11.8	0.00185	202
70	+ 29.8 —	9.99932	290	160	+ 10.8 —	0.00187	200
72	30.1	9.99939	288	162	9.7	0.00190	198
74	30.4	9.99946	286	164	8.7	0.00192	196
76	30.7	9.99952	284	166	7.6	0.00193	194
78	31.0	9.99959	282	168	6.5	0.00195	192
80	+ 31.2 —	9.99966	280	170	+ 5.5 —	0.00196	190
82	31.3	9.99973	278	172	4.4	0.00197	188
84	31.5	9.99980	276	174	3.3	0.00198	186
86	31.6	9.99987	274	176	2.2	0.00199	184
88	31.6	9.99994	272	178	1.1	0.00199	182
90	+ 31.6 —	0.00001	270	180	+ 0.0 —	0.00199	180

TETHYS.

0^h	L	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$	0^h	L	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
Jan. 1	210° 0'.9	1.69774	—22".07	April 1	92° 48'.2	1.63366	—19".29
3	231 24.6	1.69689	22.03	3	114 11.9	1.63232	19.24
5	252 48.3	1.69598	21.98	5	135 35.6	1.63100	19.19
7	274 12.1	1.69502	21.93	7	156 59.3	1.62972	19.14
9	295 35.8	1.69401	—21.88	9	178 23.0	1.62846	—19.10
11	316 59.5	1.69294	21.83	11	199 46.7	1.62724	19.05
13	338 23.2	1.69183	21.78	13	221 10.5	1.62604	19.01
15	359 47.0	1.69067	21.72	15	242 34.2	1.62488	18.97
17	21 10.7	1.68947	—21.66	17	263 57.9	1.62374	—18.93
19	42 34.4	1.68823	21.60				
21	63 58.1	1.68694	21.54	Okt. 22	115 7.5	1.67754	—20.88
23	85 21.9	1.68562	21.47	24	136 31.2	1.67904	20.95
25	106 45.6	1.68426	—21.41	26	157 54.9	1.68052	21.03
27	128 9.3	1.68286	21.34	28	179 18.6	1.68197	21.10
29	149 33.0	1.68144	21.28	30	200 42.4	1.68340	—21.18
31	170 56.7	1.67999	21.21	Nov. 1	222 6.1	1.68479	21.25
Febr. 2	192 20.4	1.67851	—21.14	3	243 29.8	1.68616	21.33
4	213 44.1	1.67700	21.07	5	264 53.5	1.68749	21.40
6	235 7.8	1.67548	21.00	7	286 17.2	1.68878	—21.47
8	256 31.5	1.67394	20.93	9	307 41.0	1.69004	21.54
10	277 55.2	1.67238	—20.86	11	329 4.7	1.69125	21.61
12	299 19.0	1.67080	20.79	13	350 28.4	1.69242	21.68
14	320 42.7	1.66921	20.72	15	11 52.1	1.69355	—21.74
16	342 6.4	1.66762	20.65	17	33 15.8	1.69463	21.81
18	3 30.1	1.66601	—20.58	19	54 39.5	1.69566	21.87
20	24 53.8	1.66440	20.51	21	76 3.2	1.69663	21.93
22	46 17.5	1.66278	20.44	23	97 27.0	1.69756	—21.99
24	67 41.3	1.66116	20.37	25	118 50.7	1.69842	22.05
26	89 5.0	1.65954	—20.30	27	140 14.4	1.69923	22.10
28	110 28.7	1.65792	20.24	29	161 38.1	1.69998	22.15
März 2	131 52.4	1.65631	20.17	Dez. 1	183 1.8	1.70067	—22.20
4	153 16.2	1.65470	20.11	3	204 25.6	1.70131	22.25
6	174 39.9	1.65310	—20.04	5	225 49.3	1.70187	22.29
8	196 3.6	1.65151	19.98	7	247 13.0	1.70238	22.33
10	217 27.3	1.64993	19.92	9	268 36.8	1.70282	—22.37
12	238 51.0	1.64836	19.86	11	290 0.5	1.70319	22.40
14	260 14.7	1.64681	—19.80	13	311 24.2	1.70350	22.43
16	281 38.5	1.64527	19.74	15	332 48.0	1.70373	22.46
18	303 2.2	1.64374	19.68	17	354 11.7	1.70390	—22.48
20	324 25.9	1.64224	19.62	19	15 35.4	1.70400	22.50
22	345 49.6	1.64075	—19.56	21	36 59.1	1.70404	22.52
24	7 13.3	1.63929	19.51	23	58 22.8	1.70400	22.53
26	28 37.0	1.63785	19.45	25	79 46.6	1.70389	—22.54
28	50 0.8	1.63643	19.40	27	101 10.3	1.70371	22.55
30	71 24.5	1.63503	—19.34	29	122 34.0	1.70347	22.55
April 1	92 48.2	1.63366	—19.29	31	143 57.7	1.70316	22.55
				33	165 21.4	1.70278	22.55

DIONE.

0^h		L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
Jan.	1	250° 39.1'	164.1°	1.80521	—28.27"
	3	153 43.3	67.0	1.80436	28.21
	5	56 47.5	329.9	1.80345	28.15
	7	319 51.6	232.8	1.80249	28.09
	9	222 55.8	135.7	1.80148	—28.03
	11	126 0.0	38.6	1.80041	27.96
	13	29 4.2	301.5	1.79930	27.89
	15	292 8.3	204.4	1.79814	27.82
	17	195 12.5	107.3	1.79694	—27.74
	19	98 16.7	10.2	1.79570	27.66
	21	1 20.9	273.1	1.79441	27.58
	23	264 25.1	176.0	1.79309	27.50
	25	167 29.3	78.9	1.79173	—27.42
	27	70 33.5	341.8	1.79033	27.33
	29	333 37.6	244.7	1.78891	27.25
	31	236 41.8	147.6	1.78746	27.16
Febr.	2	139 46.0	50.5	1.78598	—27.07
	4	42 50.2	313.4	1.78447	26.98
	6	305 54.4	216.3	1.78295	26.90
	8	208 58.6	119.2	1.78141	26.81
	10	112 2.7	22.1	1.77985	—26.72
	12	15 6.9	285.0	1.77827	26.63
	14	278 11.1	187.9	1.77668	26.54
	16	181 15.3	90.8	1.77509	26.45
	18	84 19.4	353.7	1.77348	—26.36
	20	347 23.6	256.6	1.77187	26.28
	22	250 27.8	159.5	1.77025	26.19
	24	153 32.0	62.4	1.76863	26.10
	26	56 36.1	325.3	1.76701	—26.01
	28	319 40.3	228.2	1.76539	25.93
März	2	222 44.5	131.1	1.76378	25.84
	4	125 48.7	34.0	1.76217	25.76
	6	28 52.8	296.9	1.76057	—25.67
	8	291 57.0	199.8	1.75898	25.59
	10	195 1.2	102.7	1.75740	25.51
	12	98 5.4	5.6	1.75583	25.43
	14	1 9.5	268.5	1.75428	—25.35
	16	264 13.7	171.4	1.75274	25.28
	18	167 17.9	74.3	1.75121	25.20
	20	70 22.1	337.2	1.74971	25.13
	22	333 26.2	240.1	1.74822	—25.05
	24	236 30.4	143.0	1.74676	24.98
	26	139 34.6	45.9	1.74532	24.91
	28	42 38.8	308.8	1.74390	24.84
	30	305 42.9	211.7	1.74250	—24.77
April	1	208 47.1	114.6	1.74113	—24.71

0^h		L	M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
April	1	208° 47.1'	114.6°	1.74113	—24.71"
	3	111 51.3	17.5	1.73979	24.64
	5	14 55.5	280.4	1.73847	24.58
	7	277 59.7	183.3	1.73719	24.52
	9	181 3.8	86.2	1.73593	—24.46
	11	84 8.0	349.1	1.73471	24.40
	13	347 12.2	252.0	1.73351	24.34
	15	250 16.3	154.9	1.73235	24.29
	17	153 20.5	57.8	1.73121	—24.24
Okt.	22	41 52.9	290.4	1.78501	—26.75
	24	304 57.0	193.3	1.78651	26.85
	26	208 1.2	96.3	1.78799	26.94
	28	111 5.4	359.2	1.78944	27.04
	30	14 9.6	262.1	1.79087	—27.13
Nov.	1	277 13.7	165.0	1.79226	27.23
	3	180 17.9	67.9	1.79363	27.32
	5	83 22.1	330.8	1.79496	27.41
	7	346 26.2	233.7	1.79625	—27.50
	9	249 30.4	136.6	1.79751	27.59
	11	152 34.6	39.5	1.79872	27.68
	13	55 38.7	302.4	1.79989	27.77
	15	318 42.9	205.3	1.80102	—27.85
	17	221 47.0	108.2	1.80210	27.93
	19	124 51.2	11.1	1.80313	28.01
	21	27 55.4	274.0	1.80410	28.09
	23	290 59.6	176.9	1.80503	—28.17
	25	194 3.7	79.8	1.80589	28.24
	27	97 7.9	342.6	1.80670	28.31
	29	0 12.1	245.5	1.80745	28.37
Dez.	1	263 16.3	148.4	1.80814	—28.43
	3	166 20.4	51.3	1.80878	28.49
	5	69 24.6	314.2	1.80934	28.55
	7	332 28.8	217.1	1.80985	28.60
	9	235 33.0	120.0	1.81029	—28.65
	11	138 37.1	22.9	1.81066	28.69
	13	41 41.3	285.8	1.81097	28.73
	15	304 45.5	188.7	1.81120	28.76
	17	207 49.7	91.6	1.81137	—28.79
	19	110 53.8	354.5	1.81147	28.82
	21	13 58.0	257.4	1.81151	28.84
	23	277 2.2	160.3	1.81147	28.86
	25	180 6.4	63.2	1.81136	—28.87
	27	83 10.5	326.1	1.81118	28.88
	29	346 14.7	229.0	1.81094	28.88
	31	249 18.9	131.9	1.81063	28.88
	33	152 23.0	34.8	1.81025	—28.88

DIONE.

M	$v - M$	$\log \frac{r}{a}$	M	M	$v - M$	$\log \frac{r}{a}$	M
0°	+ 0′.0 —	9.99913	360°	90°	+13′.8 —	0.00000	270°
2	0.5	9.99913	358	92	13.7	0.00003	268
4	1.0	9.99913	356	94	13.7	0.00006	266
6	1.4	9.99913	354	96	13.7	0.00009	264
8	1.9	9.99914	352	98	13.6	0.00012	262
10	+ 2.4 —	9.99914	350	100	+13.5 —	0.00015	260
12	2.9	9.99915	348	102	13.4	0.00018	258
14	3.3	9.99916	346	104	13.3	0.00021	256
16	3.8	9.99916	344	106	13.2	0.00024	254
18	4.3	9.99917	342	108	13.1	0.00027	252
20	+ 4.7 —	9.99918	340	110	+12.9 —	0.00030	250
22	5.2	9.99919	338	112	12.7	0.00033	248
24	5.6	9.99921	336	114	12.5	0.00035	246
26	6.0	9.99922	334	116	12.3	0.00038	244
28	6.5	9.99923	332	118	12.1	0.00041	242
30	+ 6.9 —	9.99925	330	120	+11.9 —	0.00044	240
32	7.3	9.99926	328	122	11.6	0.00046	238
34	7.7	9.99928	326	124	11.4	0.00049	236
36	8.1	9.99930	324	126	11.1	0.00051	234
38	8.5	9.99931	322	128	10.8	0.00053	232
40	+ 8.9 —	9.99933	320	130	+10.5 —	0.00056	230
42	9.2	9.99935	318	132	10.2	0.00058	228
44	9.6	9.99937	316	134	9.9	0.00060	226
46	9.9	9.99940	314	136	9.5	0.00062	224
48	10.2	9.99942	312	138	9.2	0.00065	222
50	+10.6 —	9.99944	310	140	+ 8.8 —	0.00067	220
52	10.9	9.99947	308	142	8.4	0.00068	218
54	11.1	9.99949	306	144	8.1	0.00070	216
56	11.4	9.99951	304	146	7.7	0.00072	214
58	11.7	9.99954	302	148	7.3	0.00074	212
60	+11.9 —	9.99957	300	150	+ 6.9 —	0.00075	210
62	12.2	9.99959	298	152	6.4	0.00077	208
64	12.4	9.99962	296	154	6.0	0.00078	206
66	12.6	9.99965	294	156	5.6	0.00079	204
68	12.8	9.99967	292	158	5.1	0.00080	202
70	+12.9 —	9.99970	290	160	+ 4.7 —	0.00081	200
72	13.1	9.99973	288	162	4.2	0.00082	198
74	13.2	9.99976	286	164	3.8	0.00083	196
76	13.3	9.99979	284	166	3.3	0.00084	194
78	13.4	9.99982	282	168	2.9	0.00085	192
80	+13.5 —	9.99985	280	170	+ 2.4 —	0.00085	190
82	13.6	9.99988	278	172	1.9	0.00086	188
84	13.7	9.99991	276	174	1.4	0.00086	186
86	13.7	9.99994	274	176	1.0	0.00086	184
88	13.7	9.99997	272	178	0.5	0.00087	182
90	+13.8 —	0.00000	270	180	+ 0.0 —	0.00087	180

RHEA.

0^h		L		M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
		°	′	°		°
Jan.	1	347	41.0	278.6	1.95025	−39.47
	3	147	3.8	77.9	1.94940	39.40
	5	306	26.6	237.2	1.94849	39.32
	7	105	49.4	36.5	1.94753	39.23
	9	265	12.2	195.9	1.94652	−39.14
	11	64	35.0	355.2	1.94545	39.04
	13	223	57.8	154.5	1.94434	38.94
	15	23	20.6	313.8	1.94318	38.84
	17	182	43.4	113.2	1.94198	−38.74
	19	342	6.2	272.5	1.94074	38.63
	21	141	29.0	71.8	1.93945	38.52
	23	300	51.8	231.1	1.93813	38.41
	25	100	14.6	30.5	1.93677	−38.29
	27	259	37.4	189.8	1.93537	38.17
	20	59	0.1	349.1	1.93395	38.05
	31	218	22.9	148.4	1.93250	37.93
Febr.	2	17	45.7	307.8	1.93102	−37.81
	4	177	8.5	107.1	1.92951	37.68
	6	336	31.3	266.4	1.92799	37.56
	8	135	54.1	65.7	1.92645	37.44
	10	295	16.9	225.1	1.92489	−37.32
	12	94	39.7	24.4	1.92331	37.19
	14	254	2.5	183.7	1.92172	37.06
	16	53	25.3	343.0	1.92013	36.94
	18	212	48.1	142.4	1.91852	−36.82
	20	12	10.9	301.7	1.91691	36.70
	22	171	33.7	101.0	1.91529	36.57
	24	330	56.5	260.3	1.91367	36.45
	26	130	19.3	59.7	1.91205	−36.33
	28	289	42.1	219.0	1.91043	36.21
März	2	89	4.9	18.3	1.90882	36.09
	4	248	27.7	177.6	1.90721	35.97
	6	47	50.5	337.0	1.90561	−35.85
	8	207	13.3	136.3	1.90402	35.74
	10	6	36.1	295.6	1.90244	35.63
	12	165	58.9	94.9	1.90087	35.52
	14	325	21.7	254.3	1.89932	−35.41
	16	124	44.5	53.6	1.89778	35.30
	18	284	7.3	212.9	1.89625	35.19
	20	83	30.1	12.2	1.89475	35.09
	22	242	52.9	171.6	1.89326	−34.99
	24	42	15.7	330.9	1.89180	34.89
	26	201	38.5	130.2	1.89036	34.79
	28	1	1.3	289.5	1.88894	34.69
	30	160	24.1	88.9	1.88754	−34.60
April	1	319	46.8	248.2	1.88617	−34.51

0^h		L		M	$\log \frac{a(\rho)}{\rho}$	$\frac{a(\rho)}{\rho} \sin B$
April	1	319°	46.8′	248.2°	1.88617	−34.51°
	3	119	9.6	47.5	1.88483	34.42
	5	278	32.4	206.8	1.88351	34.33
	7	77	55.2	6.2	1.88223	34.24
	9	237	18.0	165.5	1.88097	−34.16
	11	36	40.8	324.8	1.87975	34.08
	13	196	3.6	124.1	1.87855	34.00
	15	355	26.4	283.5	1.87739	33.93
	17	154	49.2	82.8	1.87625	−33.86
Okt.	22	16	32.1	299.4	1.93005	−37.36
	24	175	54.9	98.7	1.93155	37.49
	26	335	17.7	258.0	1.93303	37.62
	28	134	40.5	57.3	1.93448	37.76
	30	294	3.3	216.7	1.93591	−37.89
Nov.	1	93	26.1	16.0	1.93730	38.02
	3	252	48.9	175.3	1.93867	38.15
	5	52	11.7	334.6	1.94000	38.28
	7	211	34.5	134.0	1.94129	−38.41
	9	10	57.3	293.3	1.94255	38.53
	11	170	20.0	92.6	1.94376	38.65
	13	329	42.8	251.9	1.94493	38.77
	15	129	5.6	51.3	1.94606	−38.89
	17	288	28.4	210.6	1.94714	39.01
	19	87	51.2	9.9	1.94817	39.12
	21	247	14.0	169.2	1.94914	39.23
	23	46	36.8	328.6	1.95007	−39.33
	25	205	59.6	127.9	1.95093	39.43
	27	5	22.4	287.2	1.95174	39.53
	29	164	45.2	86.5	1.95249	39.62
Dez.	1	324	8.0	245.9	1.95318	−39.71
	3	123	30.8	45.2	1.95382	39.79
	5	282	53.6	204.5	1.95438	39.87
	7	82	16.4	3.8	1.95489	39.94
	9	241	39.2	163.2	1.95533	−40.01
	11	41	2.0	322.5	1.95570	40.07
	13	200	24.8	121.8	1.95601	40.13
	15	359	47.6	281.1	1.95624	40.18
	17	159	10.4	80.5	1.95641	−40.22
	19	318	33.2	239.8	1.95651	40.25
	21	117	56.0	39.1	1.95655	40.28
	23	277	18.8	198.4	1.95651	40.31
	25	76	41.6	357.8	1.95640	−40.33
	27	236	4.4	157.1	1.95622	40.34
	29	35	27.2	316.4	1.95598	40.34
	31	194	50.0	115.7	1.95567	40.34
	33	354	12.8	275.0	1.95539	−40.33

RHEA.

M	*v* − *M*	$\log \frac{r}{a}$	*M*	*M*	*v* − *M*	$\log \frac{r}{a}$	*M*
0°	+0.0' −	9.99961	360°	90°	+6.2' −	0.00000	270°
2	0.2	9.99961	358	92	6.2	0.00001	268
4	0.4	9.99961	356	94	6.2	0.00003	266
6	0.6	9.99961	354	96	6.2	0.00004	264
8	0.9	9.99961	352	98	6.1	0.00005	262
10	+1.1 −	9.99961	350	100	+6.1 −	0.00007	260
12	1.3	9.99962	348	102	6.1	0.00008	258
14	1.5	9.99962	346	104	6.0	0.00009	256
16	1.7	9.99962	344	106	5.9	0.00011	254
18	1.9	9.99963	342	108	5.9	0.00012	252
20	+2.1 −	9.99963	340	110	+5.8 −	0.00013	250
22	2.3	9.99964	338	112	5.7	0.00015	248
24	2.5	9.99964	336	114	5.7	0.00016	246
26	2.7	9.99965	334	116	5.6	0.00017	244
28	2.9	9.99966	332	118	5.5	0.00018	242
30	+3.1 −	9.99966	330	120	+5.4 −	0.00019	240
32	3.3	9.99967	328	122	5.2	0.00021	238
34	3.5	9.99968	326	124	5.1	0.00022	236
36	3.6	9.99968	324	126	5.0	0.00023	234
38	3.8	9.99969	322	128	4.9	0.00024	232
40	+4.0 −	9.99970	320	130	+4.7 −	0.00025	230
42	4.1	9.99971	318	132	4.6	0.00026	228
44	4.3	9.99972	316	134	4.5	0.00027	226
46	4.5	9.99973	314	136	4.3	0.00028	224
48	4.6	9.99974	312	138	4.1	0.00029	222
50	+4.7 −	9.99975	310	140	+4.0 −	0.00030	220
52	4.9	9.99976	308	142	3.8	0.00031	218
54	5.0	9.99977	306	144	3.6	0.00032	216
56	5.1	9.99978	304	146	3.5	0.00032	214
58	5.2	9.99979	302	148	3.3	0.00033	212
60	+5.4 −	9.99980	300	150	+3.1 −	0.00034	210
62	5.5	9.99982	298	152	2.9	0.00034	208
64	5.6	9.99983	296	154	2.7	0.00035	206
66	5.7	9.99984	294	156	2.5	0.00036	204
68	5.7	9.99985	292	158	2.3	0.00036	202
70	+5.8 −	9.99987	290	160	+2.1 −	0.00037	200
72	5.9	9.99988	288	162	1.9	0.00037	198
74	5.9	9.99989	286	164	1.7	0.00037	196
76	6.0	9.99991	284	166	1.5	0.00038	194
78	6.1	9.99992	282	168	1.3	0.00038	192
80	+6.1 −	9.99993	280	170	+1.1 −	0.00038	190
82	6.1	9.99995	278	172	0.9	0.00039	188
84	6.2	9.99996	276	174	0.6	0.00039	186
86	6.2	9.99997	274	176	0.4	0.00039	184
88	6.2	9.99999	272	178	0.2	0.00039	182
90	+6.2 −	0.00000	270	180	+0.0 −	0.00039	180

Bewegung der mittleren Länge *L*.

Zeit	Mimas	Enceladus	Tethys	Dione	Rhea
d	° ′	° ′	° ′	° ′	° ′
1	22 0.0	262 43.9	190 41.9	131 32.1	79 41.4
h					
1	15 55.0	10 56.8	7 56.7	5 28.8	3 19.2
2	31 50.0	21 53.7	15 53.5	10 57.7	6 38.4
3	47 45.0	32 50.5	23 50.2	16 26.5	9 57.7
4	63 40.0	43 47.3	31 47.0	21 55.3	13 16.9
5	79 35.0	54 44.1	39 43.7	27 24.2	16 36.1
6	95 30.0	65 41.0	47 40.5	32 53.0	19 55.3
7	111 25.0	76 37.8	55 37.2	38 21.9	23 14.6
8	127 20.0	87 34.6	63 34.0	43 50.7	26 33.8
9	143 15.0	98 31.5	71 30.7	49 19.5	29 53.0
10	159 10.0	109 28.3	79 27.5	54 48.4	33 12.2
11	175 5.0	120 25.1	87 24.2	60 17.2	36 31.5
12	191 0.0	131 22.0	95 20.9	65 46.0	39 50.7
13	206 55.0	142 18.8	103 17.7	71 14.9	43 9.9
14	222 50.0	153 15.6	111 14.4	76 43.7	46 29.1
15	238 45.0	164 12.4	119 11.2	82 12.6	49 48.4
16	254 40.0	175 9.3	127 7.9	87 41.4	53 7.6
17	270 35.0	186 6.1	135 4.7	93 10.2	56 26.8
18	286 30.0	197 2.9	143 1.4	98 39.1	59 46.0
19	302 25.0	207 59.8	150 58.2	104 7.9	63 5.3
20	318 20.0	218 56.6	158 54.9	109 36.7	66 24.5
21	334 15.0	229 53.4	166 51.7	115 5.6	69 43.7
22	350 10.0	240 50.2	174 48.4	120 34.4	73 2.9
23	6 5.0	251 47.1	182 45.2	126 3.3	76 22.2
m					
1	0 15.9	0 10.9	0 7.9	0 5.5	0 3.3
2	0 31.8	0 21.9	0 15.9	0 11.0	0 6.6
3	0 47.8	0 32.8	0 23.8	0 16.4	0 10.0
4	1 3.7	0 43.8	0 31.8	0 21.9	0 13.3
5	1 19.6	0 54.7	0 39.7	0 27.4	0 16.6
6	1 35.5	1 5.7	0 47.6	0 32.9	0 19.9
7	1 51.4	1 16.6	0 55.6	0 38.4	0 23.2
8	2 7.4	1 27.6	1 3.5	0 43.8	0 26.6
9	2 23.3	1 38.5	1 11.5	0 49.3	0 29.9
10	2 39.2	1 49.5	1 19.4	0 54.8	0 33.2
20	5 18.3	3 38.9	2 38.9	1 49.6	1 6.4
30	7 57.5	5 28.4	3 58.3	2 44.4	1 39.6
40	10 36.7	7 17.9	5 17.8	3 39.2	2 12.8
50	13 15.8	9 7.3	6 37.2	4 34.0	2 46.0
s					
10	0 2.6	0 1.8	0 1.3	0 0.9	0 0.5
20	0 5.3	0 3.6	0 2.6	0 1.8	0 1.1
30	0 7.9	0 5.4	0 3.9	0 2.7	0 1.6
40	0 10.6	0 7.3	0 5.3	0 3.7	0 2.2
50	0 13.2	0 9.1	0 6.6	0 4.6	0 2.7

Bewegung der mittleren Anomalie M.

Zeit	Mimas	Encel.	Dione	Rhea
1^d	21.00°	262.4°	131.5°	79.7°
1^h	15.87	10.9	5.5	3.3
2	31.75	21.9	11.0	6.6
3	47.62	32.8	16.4	10.0
4	63.50	43.7	21.9	13.3
5	79.37	54.7	27.4	16.6
6	95.25	65.6	32.9	19.9
7	111.12	76.5	38.4	23.2
8	127.00	87.5	43.8	26.6
9	142.87	98.4	49.3	29.9
10	158.75	109.3	54.8	33.2
11	174.62	120.3	60.3	36.5
12	190.50	131.2	65.7	39.8
13	206.37	142.1	71.2	43.2
14	222.25	153.1	76.7	46.5
15	238.12	164.0	82.2	49.8
16	254.00	174.9	87.7	53.1
17	269.87	185.9	93.1	56.5
18	285.75	196.8	98.6	59.8
19	301.62	207.7	104.1	63.1
20	317.50	218.7	109.6	66.4
21	333.37	229.6	115.1	69.7
22	349.25	240.5	120.5	73.1
23	5.12	251.5	126.0	76.4
1^m	0.26	0.2	0.1	0.0
2	0.53	0.4	0.2	0.1
3	0.79	0.5	0.3	0.1
4	1.06	0.7	0.4	0.2
5	1.32	0.9	0.4	0.2
6	1.58	1.1	0.5	0.3
7	1.85	1.3	0.6	0.3
8	2.11	1.4	0.7	0.4
9	2.38	1.6	0.8	0.4
10	2.64	1.8	0.9	0.5
20	5.29	3.6	1.8	1.1
30	7.93	5.4	2.7	1.6
40	10.58	7.3	3.7	2.2
50	13.22	9.1	4.6	2.7
10^s	0.04	0.0	0.0	0.0
20	0.09	0.1	0.0	0.0
30	0.13	0.1	0.0	0.0
40	0.17	0.1	0.1	0.0
50	0.22	0.2	0.1	0.0

$\log \frac{1}{1+\zeta}$, in Einheiten der 5. Dezimale.

$u-U$	Mimas	Encel.	Tethys	Dione	Rhea	$u-U$
0°	−6	−7	−9	−11	−16	360°
4	−6	−7	−9	−11	−16	356
8	−6	−7	−9	−11	−16	352
12	−5	−7	−8	−11	−15	348
16	−5	−7	−8	−11	−15	344
20	−5	−7	−8	−11	−15	340
24	−5	−7	−8	−11	−14	336
28	−5	−7	−8	−10	−14	332
32	−4	−6	−7	−10	−13	328
36	−4	−6	−7	−9	−13	324
40	−4	−6	−7	−9	−12	320
44	−4	−6	−6	−8	−11	316
48	−4	−5	−6	−8	−10	312
52	−3	−5	−5	−7	−10	308
56	−3	−4	−5	−7	−9	304
60	−3	−4	−4	−6	−8	300
64	−3	−3	−4	−5	−7	296
68	−2	−3	−3	−4	−6	292
72	−2	−2	−3	−4	−5	288
76	−1	−2	−2	−3	−4	284
80	−1	−1	−2	−2	−3	280
84	−1	−1	−1	−1	−2	276
88	0	0	0	0	−1	272
92	0	0	0	0	+1	268
96	+1	+1	+1	+1	+2	264
100	+1	+1	+2	+2	+3	260
104	+1	+2	+2	+3	+4	256
108	+2	+2	+3	+4	+5	252
112	+2	+3	+3	+4	+6	248
116	+3	+3	+4	+5	+7	244
120	+3	+4	+4	+6	+8	240
124	+3	+4	+5	+7	+9	236
128	+3	+5	+5	+7	+10	232
132	+4	+5	+6	+8	+10	228
136	+4	+6	+6	+8	+11	224
140	+4	+6	+7	+9	+12	220
144	+4	+6	+7	+9	+13	216
148	+4	+6	+7	+10	+13	212
152	+5	+7	+8	+10	+14	208
156	+5	+7	+8	+11	+14	204
160	+5	+7	+8	+11	+15	200
164	+5	+7	+8	+11	+15	196
168	+5	+7	+8	+11	+15	192
172	+6	+7	+9	+11	+16	188
176	+6	+7	+9	+11	+16	184
180	+6	+7	+9	+11	+16	180

TITAN.

0h	U	B	P	0h	U	B	P
Jan. 1	307° 52'.7	−25° 51'.5	−4° 15'.5	April 1	308° 31'.8	−26° 14'.1	−4° 19'.9
3	307 43.8	25 51.5	4 14.6	3	308 42.9	26 15.0	4 21.0
5	307 35.1	25 51.4	4 13.7	5	308 54.4	26 15.8	4 22.1
7	307 26.9	25 51.4	4 12.9	7	309 6.2	26 16.7	4 23.3
9	307 19.0	−25 51.4	−4 12.1	9	309 18.3	−26 17.5	−4 24.5
11	307 11.5	25 51.5	4 11.4	11	309 30.8	26 18.3	4 25.7
13	307 4.3	25 51.6	4 10.7	13	309 43.6	26 19.1	4 27.0
15	306 57.6	25 51.7	4 10.1	15	309 56.7	26 19.9	4 28.3
17	306 51.3	−25 51.8	−4 9.5	17	310 10.1	−26 20.7	−4 29.6
19	306 45.4	25 51.9	4 8.9				
21	306 39.9	25 52.1	4 8.4	Okt. 22	329 37.4	−25 40.2	−6 3.3
23	306 34.9	25 52.3	4 7.9	24	329 35.4	25 40.4	6 3.2
25	306 30.4	−25 52.5	−4 7.4	26	329 32.9	25 40.6	6 3.0
27	306 26.3	25 52.7	4 7.0	28	329 29.9	25 40.9	6 2.8
29	306 22.7	25 53.0	4 6.6	30	329 26.5	−25 41.2	−6 2.6
31	306 19.6	25 53.3	4 6.3	Nov. 1	329 22.6	25 41.6	6 2.3
Febr. 2	306 17.0	−25 53.6	−4 6.1	3	329 18.2	25 42.1	6 2.0
4	306 14.8	25 53.9	4 5.9	5	329 13.4	25 42.6	6 1.7
6	306 13.2	25 54.3	4 5.8	7	329 8.2	−25 43.2	−6 1.4
8	306 12.1	25 54.7	4 5.7	9	329 2.5	25 43.8	6 1.1
10	306 11.5	−25 55.2	−4 5.6	11	328 56.4	25 44.4	6 0.7
12	306 11.3	25 55.7	4 5.6	13	328 49.9	25 45.1	6 0.3
14	306 11.6	25 56.2	4 5.6	15	328 42.9	−25 45.8	−5 59.9
16	306 12.5	25 56.8	4 5.7	17	328 35.6	25 46.6	5 59.5
18	306 13.9	−25 57.4	−4 5.9	19	328 27.9	25 47.4	5 59.0
20	306 15.8	25 58.0	4 6.1	21	328 19.9	25 48.3	5 58.5
22	306 18.2	25 58.6	4 6.4	23	328 11.5	−25 49.2	−5 58.0
24	306 21.1	25 59.3	4 6.7	25	328 2.8	25 50.1	5 57.4
26	306 24.5	−26 0.0	−4 7.0	27	327 53.8	25 51.1	5 56.8
28	306 28.4	26 0.7	4 7.4	29	327 44.5	25 52.1	5 56.2
März 2	306 32.8	26 1.4	4 7.9	Dez. 1	327 34.8	−25 53.1	−5 55.6
4	306 37.6	26 2.2	4 8.4	3	327 24.9	25 54.1	5 55.0
6	306 42.9	−26 3.0	−4 9.0	5	327 14.8	25 55.2	5 54.3
8	306 48.7	26 3.8	4 9.6	7	327 4.6	25 56.2	5 53.6
10	306 54.9	26 4.6	4 10.2	9	326 54.2	−25 57.3	−5 52.9
12	307 1.6	26 5.4	4 10.9	11	326 43.7	25 58.4	5 52.2
14	307 8.8	−26 6.2	−4 11.6	13	326 33.0	25 59.5	5 51.4
16	307 16.3	26 7.1	4 12.4	15	326 22.2	26 0.6	5 50.7
18	307 24.3	26 7.9	4 13.2	17	326 11.3	−26 1.8	−5 49.9
20	307 32.7	26 8.8	4 14.0	19	326 0.3	26 3.0	5 49.1
22	307 41.5	−26 9.6	−4 14.9	21	325 49.4	26 4.1	5 48.4
24	307 50.8	26 10.5	4 15.8	23	325 38.5	26 5.2	5 47.6
26	308 0.6	26 11.4	4 16.8	25	325 27.5	−26 6.3	−5 46.9
28	308 10.7	26 12.3	4 17.8	27	325 16.5	26 7.4	5 46.1
30	308 21.1	−26 13.2	−4 18.8	29	325 5.6	26 8.5	5 45.4
April 1	308 31.8	−26 14.1	−4 19.9	31	324 54.8	26 9.6	5 44.7
				33	324 44.2	−26 10.6	−5 44.0

TITAN.

0^h	$\alpha_{tr} - \alpha_{pl}$ (s)		$\delta_{tr} - \delta_{pl}$ (″)	
Jan. 1	+14.82	−1.90	+23.1	+31.5
2	+12.92	−3.86	+54.6	+23.2
3	+ 9.06	−5.28	+77.8	+10.9
4	+ 3.78	−5.87	+88.7	− 3.6
5	− 2.09	−5.51	+85.1	−17.6
6	− 7.60	−4.22	+67.5	−28.9
7	−11.82	−2.23	+38.6	−35.3
8	−14.05	+0.08	+ 3.3	−35.7
9	−13.97	+2.31	−32.4	−30.5
10	−11.66	+4.12	−62.9	−20.7
11	− 7.54	+5.24	−83.6	− 8.0
12	− 2.30	+5.56	−91.6	+ 5.2
13	+ 3.26	+5.08	−86.4	+17.5
14	+ 8.34	+3.89	−68.9	+27.3
15	+12.23	+2.15	−41.6	+33.1
16	+14.38	+0.07	− 8.5	+34.2
17	+14.45	−2.06	+25.7	+30.3
18	+12.39	−3.95	+56.0	+21.7
19	+ 8.44	−5.26	+77.7	+ 9.5
20	+ 3.18	−5.75	+87.2	− 4.8
21	− 2.57	−5.31	+82.4	−18.4
22	− 7.88	−3.97	+64.0	−28.9
23	−11.85	−1.98	+35.1	−34.8
24	−13.83	+0.29	+ 0.3	−34.7
25	−13.54	+2.44	−34.4	−29.1
26	−11.10	+4.15	−63.5	−19.3
27	− 6.95	+5.17	−82.8	− 6.8
28	− 1.78	+5.41	−89.6	+ 6.1
29	+ 3.63	+4.88	−83.5	+18.0
30	+ 8.51	+3.67	−65.5	+27.2
31	+12.18	+1.93	−38.3	+32.5
Febr. 1	+14.11	−0.10	− 5.8	+33.3
2	+14.01	−2.17	+27.5	+29.0
3	+11.84	−3.96	+56.5	+20.4
4	+ 7.88	−5.18	+76.9	+ 8.2
5	+ 2.70	−5.60	+85.1	− 5.6
6	− 2.90	−5.10	+79.5	−18.7
7	− 8.00	−3.74	+60.8	−28.7
8	−11.74	−1.77	+32.1	−34.1
9	−13.51	+0.43	− 2.0	−33.5
10	−13.08	+2.50	−35.5	−27.8
11	−10.58	+4.12	−63.3	−18.1
12	− 6.46	+5.07	−81.4	− 5.9
13	− 1.39	+5.24	−87.3	+ 6.7
14	+ 3.85	+4.69	−80.6	+18.2
15	+ 8.54		−62.4	
Febr. 15	+ 8.54	+3.47	−62.4	+26.8
16	+12.01	+1.76	−35.6	+31.8
17	+13.77	−0.22	− 3.8	+32.3
18	+13.55	−2.21	+28.5	+27.9
19	+11.34	−3.93	+56.4	+19.2
20	+ 7.41	−5.07	+75.6	+ 7.3
21	+ 2.34	−5.43	+82.9	− 6.1
22	− 3.09	−4.90	+76.8	−18.8
23	− 7.99	−3.55	+58.0	−28.4
24	−11.54	−1.62	+29.6	−33.1
25	−13.16	+0.52	− 3.5	−32.5
26	−12.64	+2.51	−36.0	−26.7
27	−10.13	+4.05	−62.7	−17.1
28	− 6.08	+4.93	−79.8	− 5.2
März 1	− 1.15	+5.09	−85.0	+ 7.1
2	+ 3.94	+4.51	−77.9	+18.0
3	+ 8.45	+3.31	−59.9	+26.4
4	+11.76	+1.64	−33.5	+31.0
5	+13.40	−0.28	− 2.5	+31.3
6	+13.12	−2.21	+28.8	+27.0
7	+10.91	−3.86	+55.8	+18.3
8	+ 7.05	−4.95	+74.1	+ 6.7
9	+ 2.10	−5.26	+80.8	− 6.4
10	− 3.16	−4.73	+74.4	−18.6
11	− 7.89	−3.40	+55.8	−27.9
12	−11.29	−1.51	+27.9	−32.3
13	−12.80	+0.55	− 4.4	−31.6
14	−12.25	+2.47	−36.0	−25.8
15	− 9.78	+3.96	−61.8	−16.3
16	− 5.82	+4.80	−78.1	− 4.8
17	− 1.02	+4.93	−82.9	+ 7.1
18	+ 3.91	+4.37	−75.8	+17.8
19	+ 8.28	+3.19	−58.0	+25.9
20	+11.47	+1.57	−32.1	+30.3
21	+13.04	−0.30	− 1.8	+30.5
22	+12.74	−2.16	+28.7	+26.2
23	+10.58	−3.76	+54.9	+17.7
24	+ 6.82	−4.83	+72.6	+ 6.3
25	+ 1.99	−5.13	+78.9	− 6.4
26	− 3.14	−4.58	+72.5	−18.4
27	− 7.72	−3.29	+54.1	−27.3
28	−11.01	−1.48	+26.8	−31.6
29	−12.49	+0.55	− 4.8	−30.7
30	−11.94	+2.42	−35.5	−25.1
31	− 9.52	+3.85	−60.6	−15.9
April 1	− 5.67		−76.5	

TITAN.

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
April 1	−5.67 s	+4.67 s	−76.5″	−4.6″
2	−1.00	+4.80	−81.1	+7.0
3	+3.80	+4.26	−74.1	+17.4
4	+8.06	+3.12	−56.7	+25.3
5	+11.18	+1.54	−31.4	+29.7
6	+12.72	−0.28	−1.7	+29.8
7	+12.44	−2.11	+28.1	+25.7
8	+10.33	−3.66	+53.8	+17.4
9	+6.67	−4.70	+71.2	+6.1
10	+1.97	−5.00	+77.3	−6.3
11	−3.03	−4.49	+71.0	−18.0
12	−7.52	−3.23	+53.0	−26.7
13	−10.75	−1.46	+26.3	−31.0
14	−12.21	+0.51	−4.7	−30.2
15	−11.70	+2.33	−34.9	−24.6
16	−9.37	+3.74	−59.5	−15.6
17	−5.63		−75.1	
Okt. 22	−11.76	−2.08	+30.2	−34.4
23	−13.84	+0.14	−4.2	−33.8
24	−13.70	+2.26	−38.0	−28.1
25	−11.44	+3.98	−66.1	−18.3
26	−7.46	+5.09	−84.4	−6.0
27	−2.37	+5.44	−90.4	+6.8
28	+3.07	+5.03	−83.6	+18.7
29	+8.10	+3.89	−64.9	+28.0
30	+11.99	+2.19	−36.9	+33.5
31	+14.18	+0.10	−3.4	+33.9
Nov. 1	+14.28	−2.08	+30.5	+29.5
2	+12.20	−4.00	+60.0	+20.1
3	+8.20	−5.35	+80.1	+7.2
4	+2.85	−5.84	+87.3	−7.3
5	−2.99	−5.35	+80.0	−20.7
6	−8.34	−3.97	+59.3	−30.7
7	−12.31	−1.96	+28.6	−35.6
8	−14.27	+0.33	−7.0	−34.5
9	−13.94	+2.48	−41.5	−28.2
10	−11.46	+4.21	−69.7	−17.9
11	−7.25	+5.28	−87.6	−5.1
12	−1.97	+5.58	−92.7	+8.1
13	+3.61	+5.08	−84.6	+20.0
14	+8.69	+3.87	−64.6	+29.4
15	+12.56	+2.05	−35.2	+34.5
16	+14.61	−0.10	−0.7	+34.8
17	+14.51	−2.32	+34.1	+29.6
18	+12.19		+63.7	

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Nov. 18	+12.19 s	−4.26 s	+63.7″	+19.6″
19	+7.93	−5.55	+83.3	+6.1
20	+2.38	−5.97	+89.4	−8.8
21	−3.59	−5.37	+80.6	−22.3
22	−8.96	−3.88	+58.3	−32.1
23	−12.84	−1.77	+26.2	−36.5
24	−14.61	+0.56	−10.3	−35.0
25	−14.05	+2.74	−45.3	−28.0
26	−11.31	+4.44	−73.3	−17.2
27	−6.87	+5.45	−90.5	−4.0
28	−1.42	+5.67	−94.5	+9.5
29	+4.25	+5.08	−85.0	+21.6
30	+9.33	+3.75	−63.4	+30.7
Dez. 1	+13.08	+1.87	−32.7	+35.5
2	+14.95	−0.35	+2.8	+35.2
3	+14.60	−2.60	+38.0	+29.4
4	+12.00	−4.50	+67.4	+18.7
5	+7.50	−5.73	+86.1	+4.7
6	+1.77	−6.02	+90.8	−10.4
7	−4.25	−5.32	+80.4	−23.9
8	−9.57	−3.72	+56.5	−33.4
9	−13.29	−1.54	+23.1	−37.3
10	−14.83	+0.83	−14.2	−35.0
11	−14.00	+3.01	−49.2	−27.5
12	−10.99	+4.65	−76.7	−16.1
13	−6.34	+5.58	−92.8	−2.5
14	−0.76	+5.70	−95.3	+11.1
15	+4.94	+5.00	−84.2	+23.0
16	+9.94	+3.58	−61.2	+31.8
17	+13.52	+1.63	−29.4	+36.1
18	+15.15	−0.64	+6.7	+35.1
19	+14.51	−2.86	+41.8	+28.8
20	+11.65	−4.71	+70.6	+17.5
21	+6.94	−5.84	+88.1	+3.1
22	+1.10	−6.03	+91.2	−12.0
23	−4.93	−5.19	+79.2	−25.4
24	−10.12	−3.49	+53.8	−34.4
25	−13.61	−1.26	+19.4	−37.6
26	−14.87	+1.11	−18.2	−34.7
27	−13.76	+3.25	−52.9	−26.5
28	−10.51	+4.81	−79.4	−14.7
29	−5.70	+5.64	−94.1	−1.0
30	−0.06	+5.65	−95.1	+12.6
31	+5.59	+4.85	−82.5	+24.3
32	+10.44	+3.36	−58.2	+32.5
33	+13.80		−25.7	

HYPERION.

0h	U	B	P	0h	U	B	P
Jan. 1	303° 3.6′	−25° 52.5′	−3° 35.1′	April 1	303° 40.8′	−26° 15.6′	−3° 39.4′
3	302 54.8	−25 52.4	−3 34.2	3	303 51.9	−26 16.6	−3 40.5
5	302 46.2	−25 52.2	−3 33.4	5	304 3.3	−26 17.6	−3 41.6
7	302 37.9	−25 52.1	−3 32.6	7	304 15.0	−26 18.6	−3 42.8
9	302 30.0	−25 52.0	−3 31.8	9	304 27.1	−26 19.5	−3 44.0
11	302 22.4	−25 52.0	−3 31.1	11	304 39.5	−26 20.5	−3 45.2
13	302 15.2	−25 52.0	−3 30.4	13	304 52.3	−26 21.4	−3 46.5
15	302 8.4	−25 52.0	−3 29.7	15	305 5.4	−26 22.3	−3 47.8
17	302 2.0	−25 52.0	−3 29.1	17	305 18.7	−26 23.2	−3 49.1
19	301 56.1	−25 52.1	−3 28.5				
21	301 50.6	−25 52.2	−3 27.9	Okt. 22	324 44.4	−25 55.5	−5 26.6
23	301 45.5	−25 52.3	−3 27.4	24	324 42.4	−25 55.6	−5 26.5
25	301 40.9	−25 52.4	−3 27.0	26	324 39.9	−25 55.8	−5 26.3
27	301 36.8	−25 52.6	−3 26.6	28	324 36.9	−25 56.1	−5 26.1
29	301 33.2	−25 52.8	−3 26.3	30	324 33.5	−25 56.4	−5 25.9
31	301 30.0	−25 53.1	−3 26.0	Nov. 1	324 29.6	−25 56.8	−5 25.6
Febr. 2	301 27.3	−25 53.5	−3 25.8	3	324 25.2	−25 57.2	−5 25.3
4	301 25.1	−25 53.9	−3 25.6	5	324 20.3	−25 57.6	−5 25.0
6	301 23.4	−25 54.3	−3 25.4	7	324 15.0	−25 58.1	−5 24.6
8	301 22.3	−25 54.7	−3 25.3	9	324 9.2	−25 58.7	−5 24.2
10	301 21.7	−25 55.2	−3 25.2	11	324 3.0	−25 59.3	−5 23.8
12	301 21.5	−25 55.7	−3 25.2	13	323 56.4	−25 59.9	−5 23.4
14	301 21.9	−25 56.2	−3 25.2	15	323 49.4	−26 0.6	−5 22.9
16	301 22.7	−25 56.8	−3 25.3	17	323 42.0	−26 1.3	−5 22.4
18	301 24.0	−25 57.4	−3 25.5	19	323 34.3	−26 2.0	−5 21.8
20	301 25.8	−25 58.0	−3 25.7	21	323 26.2	−26 2.8	−5 21.2
22	301 28.1	−25 58.7	−3 26.0	23	323 17.7	−26 3.7	−5 20.6
24	301 31.0	−25 59.4	−3 26.3	25	323 8.9	−26 4.6	−5 20.0
26	301 34.3	−26 0.1	−3 26.6	27	322 59.8	−26 5.5	−5 19.4
28	301 38.1	−26 0.9	−3 27.0	29	322 50.5	−26 6.4	−5 18.8
März 2	301 42.4	−26 1.7	−3 27.5	Dez. 1	322 40.8	−26 7.3	−5 18.1
4	301 47.3	−26 2.5	−3 28.0	3	322 30.9	−26 8.2	−5 17.4
6	301 52.6	−26 3.3	−3 28.5	5	322 20.8	−26 9.1	−5 16.7
8	301 58.3	−26 4.2	−3 29.1	7	322 10.5	−26 10.0	−5 16.0
10	302 4.5	−26 5.1	−3 29.7	9	322 0.0	−26 11.0	−5 15.2
12	302 11.1	−26 6.0	−3 30.4	11	321 49.3	−26 12.0	−5 14.5
14	302 18.2	−26 6.9	−3 31.1	13	321 38.6	−26 13.0	−5 13.7
16	302 25.7	−26 7.8	−3 31.9	15	321 27.7	−26 14.0	−5 13.0
18	302 33.6	−26 8.7	−3 32.7	17	321 16.7	−26 15.1	−5 12.2
20	302 42.0	−26 9.7	−3 33.6	19	321 5.7	−26 16.2	−5 11.4
22	302 50.8	−26 10.6	−3 34.5	21	320 54.6	−26 17.3	−5 10.6
24	303 0.0	−26 11.6	−3 35.4	23	320 43.5	−26 18.3	−5 9.8
26	303 9.6	−26 12.6	−3 36.3	25	320 32.5	−26 19.3	−5 9.0
28	303 19.6	−26 13.6	−3 37.3	27	320 21.5	−26 20.3	−5 8.2
30	303 30.0	−26 14.6	−3 38.3	29	320 10.6	−26 21.3	−5 7.4
April 1	303 40.8	−26 15.6	−3 39.4	31	319 59.8	−26 22.3	−5 6.6
				33	319 49.1	−26 23.2	−5 5.8

HYPERION.

0^h		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Jan.	1	−17.91 s	−1.27 s	+ 26.3″	−29.9″
	2	−19.18	+0.07	− 3.6	−29.5
	3	−19.11	+1.36	− 33.1	−27.3
	4	−17.75	+2.54	− 60.4	−23.1
	5	−15.21	+3.57	− 83.5	−17.4
	6	−11.64	+4.37	−100.9	−10.3
	7	− 7.27	+4.89	−111.2	− 2.1
	8	− 2.38	+5.06	−113.3	+ 6.8
	9	+ 2.68	+4.83	−106.5	+15.7
	10	+ 7.51	+4.12	− 90.8	+23.9
	11	+11.63	+2.95	− 66.9	+30.5
	12	+14.58	+1.39	− 36.4	+34.2
	13	+15.97	−0.41	− 2.2	+34.4
	14	+15.56	−2.20	+ 32.2	+30.6
	15	+13.36	−3.73	+ 62.8	+23.3
	16	+ 9.63	−4.80	+ 86.1	+13.7
	17	+ 4.83	−5.31	+ 99.8	+ 3.1
	18	− 0.48	−5.25	+102.9	− 6.8
	19	− 5.73	−4.73	+ 96.1	−15.4
	20	−10.46	−3.85	+ 80.7	−22.0
	21	−14.31	−2.72	+ 58.7	−26.6
	22	−17.03	−1.50	+ 32.1	−28.9
	23	−18.53	−0.20	+ 3.2	−28.9
	24	−18.73	+1.06	− 25.7	−27.1
	25	−17.67	+2.23	− 52.8	−23.4
	26	−15.44	+3.25	− 76.2	−18.3
	27	−12.19	+4.09	− 94.5	−11.8
	28	− 8.10	+4.65	−106.3	− 3.9
	29	− 3.45	+4.88	−110.2	+ 4.5
	30	+ 1.43	+4.75	−105.7	+13.1
	31	+ 6.18	+4.19	− 92.6	+21.2
Febr.	1	+10.37	+3.17	− 71.4	+28.1
	2	+13.54	+1.74	− 43.3	+32.5
	3	+15.28	+0.04	− 10.8	+33.6
	4	+15.32	−1.71	+ 22.8	+30.8
	5	+13.61	−3.27	+ 53.6	+24.7
	6	+10.34	−4.42	+ 78.3	+15.8
	7	+ 5.92	−5.04	+ 94.1	+ 5.7
	8	+ 0.88	−5.11	+ 99.8	− 4.0
	9	− 4.23	−4.72	+ 95.8	−12.8
	10	− 8.95	−3.95	+ 83.0	−19.7
	11	−12.90	−2.94	+ 63.3	−24.6
	12	−15.84	−1.77	+ 38.7	−27.3
	13	−17.61	−0.55	+ 11.4	−27.9
	14	−18.16	+0.67	− 16.5	−26.8
	15	−17.49		− 43.3	

0^h		$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
Febr.	15	−17.49 s	+1.82 s	− 43.3″	−23.7″
	16	−15.67	+2.85	− 67.0	−19.4
	17	−12.82	+3.71	− 86.4	−13.3
	18	− 9.11	+4.33	− 99.7	− 6.2
	19	− 4.78	+4.67	−105.9	+ 1.6
	20	− 0.11	+4.66	−104.3	+10.0
	21	+ 4.55	+4.24	− 94.3	+18.2
	22	+ 8.79	+3.40	− 76.1	+25.3
	23	+12.19	+2.14	− 50.8	+30.3
	24	+14.33	+0.58	− 20.5	+32.4
	25	+14.91	−1.11	+ 11.9	+31.0
	26	+13.80	−2.69	+ 42.9	+26.0
	27	+11.11	−3.93	+ 68.9	+18.2
	28	+ 7.18	−4.69	+ 87.1	+ 8.8
März	1	+ 2.49	−4.93	+ 95.9	− 0.8
	2	− 2.44	−4.69	+ 95.1	− 9.6
	3	− 7.13	−4.07	+ 85.5	−16.9
	4	−11.20	−3.18	+ 68.6	−22.1
	5	−14.38	−2.11	+ 46.5	−25.5
	6	−16.49	−0.96	+ 21.0	−26.9
	7	−17.45	+0.21	− 5.9	−26.4
	8	−17.24	+1.34	− 32.3	−24.1
	9	−15.90	+2.38	− 56.4	−20.4
	10	−13.52	+3.27	− 76.8	−15.2
	11	−10.25	+3.96	− 92.0	− 8.8
	12	− 6.29	+4.40	−100.8	− 1.3
	13	− 1.89	+4.53	−102.1	+ 6.6
	14	+ 2.64	+4.30	− 95.5	+14.6
	15	+ 6.94	+3.64	− 80.9	+22.0
	16	+10.58	+2.57	− 58.9	+27.7
	17	+13.15	+1.17	− 31.2	+31.0
	18	+14.32	−0.43	− 0.2	+30.9
	19	+13.89	−2.02	+ 30.7	+27.4
	20	+11.87	−3.35	+ 58.1	+20.7
	21	+ 8.52	−4.27	+ 78.8	+12.1
	22	+ 4.25	−4.69	+ 90.9	+ 2.8
	23	− 0.44	−4.63	+ 93.7	− 5.9
	24	− 5.07	−4.19	+ 87.8	−13.5
	25	− 9.26	−3.44	+ 74.3	−19.4
	26	−12.70	−2.49	+ 54.9	−23.4
	27	−15.19	−1.41	+ 31.5	−25.6
	28	−16.60	−0.30	+ 5.9	−26.0
	29	−16.90	+0.81	− 20.1	−24.5
	30	−16.09	+1.85	− 44.6	−21.5
	31	−14.24	+2.78	− 66.1	−17.1
April	1	−11.46		− 83.2	

HYPERION.

0^h	$\alpha_{tr} - \alpha_{pl}$ (s)		$\delta_{tr} - \delta_{pl}$ (″)		0^h	$\alpha_{tr} - \alpha_{pl}$ (s)		$\delta_{tr} - \delta_{pl}$ (″)	
April 1	−11.46	+3.55	−83.2	−11.4	Nov. 18	−16.60	−2.03	+44.1	−29.1
2	−7.91	+4.10	−94.6	−4.6	19	−18.63	−0.76	+15.0	−30.2
3	−3.81	+4.37	−99.2	+3.0	20	−19.39	+0.57	−15.2	−29.1
4	+0.56	+4.31	−96.2	+10.8	21	−18.82	+1.90	−44.3	−26.2
5	+4.87	+3.87	−85.4	+18.3	22	−16.92	+3.16	−70.5	−20.9
6	+8.74	+3.01	−67.1	+24.9	23	−13.76	+4.24	−91.4	−13.9
7	+11.75	+1.77	−42.2	+29.2	24	−9.52	+5.05	−105.3	−5.0
8	+13.52	+0.29	−13.0	+30.5	25	−4.47	+5.45	−110.3	+5.0
9	+13.81	−1.27	+17.5	+28.5	26	+0.98	+5.36	−105.3	+15.3
10	+12.54	−2.70	+46.0	+23.2	27	+6.34	+4.70	−90.0	+24.7
11	+9.84	−3.77	+69.2	+15.6	28	+11.04	+3.49	−65.3	+32.1
12	+6.07	−4.38	+84.8	+6.9	29	+14.53	+1.84	−33.2	+35.7
13	+1.69	−4.54	+91.7	−2.0	30	+16.37	−0.02	+2.5	+35.7
14	−2.85	−4.29	+89.7	−9.9	Dez. 1	+16.35	−1.83	+38.2	+31.6
15	−7.14	−3.69	+79.8	−16.4	2	+14.52	−3.38	+69.8	+24.3
16	−10.83	−2.88	+63.4	−21.2	3	+11.14	−4.48	+94.1	+15.1
17	−13.71		+42.2		4	+6.66	−5.10	+109.2	+5.2
					5	+1.56	−5.26	+114.4	−4.5
Okt. 22	+8.70	−4.54	+96.4	+9.9	6	−3.70	−4.97	+109.9	−13.1
23	+4.16	−4.92	+106.3	+0.7	7	−8.67	−4.32	+96.8	−20.4
24	−0.76	−4.89	+107.0	−8.0	8	−12.99	−3.40	+76.4	−25.9
25	−5.65	−4.48	+99.0	−15.6	9	−16.39	−2.28	+50.5	−29.5
26	−10.13	−3.76	+83.4	−21.6	10	−18.67	−0.98	+21.0	−30.8
27	−13.89	−2.81	+61.8	−25.9	11	−19.65	+0.37	−9.8	−30.2
28	−16.70	−1.70	+35.9	−28.5	12	−19.28	+1.74	−40.0	−27.5
29	−18.40	−0.45	+7.4	−29.1	13	−17.54	+3.02	−67.5	−22.4
30	−18.85	+0.84	−21.7	−27.7	14	−14.52	+4.16	−89.9	−15.4
31	−18.01	+2.12	−49.4	−24.2	15	−10.36	+5.02	−105.3	−6.7
Nov. 1	−15.89	+3.29	−73.6	−18.8	16	−5.34	+5.48	−112.0	+3.3
2	−12.60	+4.27	−92.4	−11.6	17	+0.14	+5.48	−108.7	+13.9
3	−8.33	+4.98	−104.0	−2.9	18	+5.62	+4.88	−94.8	+23.7
4	−3.35	+5.34	−106.9	+7.0	19	+10.50	+3.74	−71.1	+31.5
5	+1.99	+5.17	−99.9	+16.9	20	+14.24	+2.11	−39.6	+35.9
6	+7.16	+4.39	−83.0	+25.7	21	+16.35	+0.26	−3.7	+36.4
7	+11.55	+3.11	−57.3	+32.2	22	+16.61	−1.60	+32.7	+32.9
8	+14.66	+1.45	−25.1	+35.1	23	+15.01	−3.20	+65.6	+26.0
9	+16.11	−0.37	+10.0	+34.2	24	+11.81	−4.38	+91.6	+16.8
10	+15.74	−2.10	+44.2	+29.4	25	+7.43	−5.09	+108.4	+6.8
11	+13.64	−3.53	+73.6	+21.9	26	+2.34	−5.29	+115.2	−3.0
12	+10.11	−4.52	+95.5	+12.9	27	−2.95	−5.06	+112.2	−12.1
13	+5.59	−5.05	+108.4	+3.1	28	−8.01	−4.46	+100.1	−19.6
14	+0.54	−5.11	+111.5	−6.1	29	−12.47	−3.53	+80.5	−25.5
15	−4.57	−4.77	+105.4	−14.2	30	−16.00	−2.42	+55.0	−29.2
16	−9.34	−4.10	+91.2	−21.1	31	−18.42	−1.15	+25.8	−31.0
17	−13.44	−3.16	+70.1	−26.0	32	−19.57	+0.21	−5.2	−30.7
18	−16.60		+44.1		33	−19.36		−35.9	

JAPETUS.

0^h		*U*	*B*	*P*
Jan.	1	24° 14.2'	−15° 14.1'	−14° 0.7'
	3	24 6.0	−15 15.3	−14 1.6
	5	23 58.2	−15 16.7	−14 2.4
	7	23 50.7	−15 18.0	−14 3.2
	9	23 43.4	−15 19.3	−14 4.0
	11	23 36.4	−15 20.5	−14 4.7
	13	23 29.8	−15 21.7	−14 5.4
	15	23 23.6	−15 22.9	−14 6.0
	17	23 17.8	−15 24.0	−14 6.6
	19	23 12.3	−15 25.1	−14 7.2
	21	23 7.3	−15 26.1	−14 7.7
	23	23 2.7	−15 27.0	−14 8.2
	25	22 58.5	−15 27.9	−14 8.6
	27	22 54.8	−15 28.7	−14 9.0
	29	22 51.6	−15 29.5	−14 9.4
	31	22 48.8	−15 30.3	−14 9.7
Febr.	2	22 46.5	−15 31.1	−14 10.0
	4	22 44.6	−15 31.8	−14 10.2
	6	22 43.2	−15 32.4	−14 10.4
	8	22 42.2	−15 33.0	−14 10.5
	10	22 41.7	−15 33.6	−14 10.6
	12	22 41.7	−15 34.1	−14 10.6
	14	22 42.1	−15 34.6	−14 10.6
	16	22 43.0	−15 35.1	−14 10.6
	18	22 44.4	−15 35.5	−14 10.6
	20	22 46.2	−15 35.8	−14 10.5
	22	22 48.5	−15 36.0	−14 10.3
	24	22 51.3	−15 36.2	−14 10.1
	26	22 54.5	−15 36.3	−14 9.8
	28	22 58.2	−15 36.4	−14 9.5
März	2	23 2.3	−15 36.4	−14 9.2
	4	23 6.9	−15 36.3	−14 8.8
	6	23 11.9	−15 36.2	−14 8.4
	8	23 17.3	−15 36.1	−14 7.9
	10	23 23.2	−15 35.9	−14 7.4
	12	23 29.5	−15 35.7	−14 6.8
	14	23 36.2	−15 35.5	−14 6.2
	16	23 43.3	−15 35.2	−14 5.6
	18	23 50.8	−15 34.8	−14 4.9
	20	23 58.6	−15 34.4	−14 4.2
	22	24 6.8	−15 33.9	−14 3.4
	24	24 15.5	−15 33.3	−14 2.6
	26	24 24.6	−15 32.7	−14 1.7
	28	24 34.0	−15 32.0	−14 0.8
	30	24 43.8	−15 31.3	−13 59.9
April	1	24 53.9	−15 30.5	−13 58.9

0^h		*U*	*B*	*P*
April	1	24° 53.9'	−15° 30.5'	−13° 58.9'
	3	25 4.3	−15 29.7	−13 57.9
	5	25 14.9	−15 28.8	−13 56.8
	7	25 25.8	−15 27.9	−13 55.6
	9	25 37.1	−15 26.9	−13 54.4
	11	25 48.7	−15 25.9	−13 53.2
	13	26 0.5	−15 24.9	−13 51.9
	15	26 12.6	−15 23.8	−13 50.6
	17	26 25.0	−15 22.7	−13 49.3
Okt.	22	44 10.6	−12 30.0	−11 6.6
	24	44 8.8	−12 30.4	−11 7.0
	26	44 6.5	−12 30.8	−11 7.4
	28	44 3.8	−12 31.3	−11 7.9
	30	44 0.6	−12 31.9	−11 8.5
Nov.	1	43 57.0	−12 32.6	−11 9.2
	3	43 53.1	−12 33.4	−11 10.0
	5	43 48.8	−12 34.3	−11 10.9
	7	43 44.0	−12 35.3	−11 11.8
	9	43 38.8	−12 36.4	−11 12.8
	11	43 33.3	−12 37.6	−11 13.8
	13	43 27.4	−12 38.8	−11 14.9
	15	43 21.0	−12 40.1	−11 16.1
	17	43 14.3	−12 41.5	−11 17.4
	19	43 7.3	−12 42.9	−11 18.7
	21	43 0.0	−12 44.4	−11 20.1
	23	42 52.3	−12 46.0	−11 21.5
	25	42 44.4	−12 47.7	−11 23.0
	27	42 36.2	−12 49.4	−11 24.6
	29	42 27.7	−12 51.2	−11 26.2
Dez.	1	42 19.0	−12 53.0	−11 27.8
	3	42 10.1	−12 54.8	−11 29.4
	5	42 1.0	−12 56.7	−11 31.1
	7	41 51.7	−12 58.7	−11 32.8
	9	41 42.2	−13 0.7	−11 34.5
	11	41 32.6	−13 2.7	−11 36.3
	13	41 22.8	−13 4.8	−11 38.1
	15	41 13.0	−13 6.9	−11 39.9
	17	41 3.1	−13 9.1	−11 41.8
	19	40 53.2	−13 11.3	−11 43.6
	21	40 43.2	−13 13.4	−11 45.4
	23	40 33.2	−13 15.5	−11 47.2
	25	40 23.2	−13 17.6	−11 48.9
	27	40 13.3	−13 19.7	−11 50.7
	29	40 3.4	−13 21.8	−11 52.4
	31	39 53.7	−13 23.9	−11 54.2
	33	39 44.1	−13 26.0	−11 55.9

JAPETUS.

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
	s	s	″	″		s	s	″	″
Jan. 1	+13.10	−3.23	+200.4	−7.2	Febr. 15	+9.24	+2.96	−119.9	+13.0
2	+9.87	−3.27	+193.2	−8.5	16	+12.20	+2.88	−106.9	+13.6
3	+6.60	−3.31	+184.7	−9.7	17	+15.08	+2.77	−93.3	+14.2
4	+3.29	−3.33	+175.0	−10.7	18	+17.85	+2.65	−79.1	+14.6
5	−0.04	−3.32	+164.3	−11.7	19	+20.50	+2.51	−64.5	+14.9
6	−3.36	−3.28	+152.6	−12.7	20	+23.01	+2.36	−49.6	+15.2
7	−6.64	−3.23	+139.9	−13.5	21	+25.37	+2.21	−34.4	+15.3
8	−9.87	−3.16	+126.4	−14.3	22	+27.58	+2.03	−19.1	+15.4
9	−13.03	−3.06	+112.1	−15.0	23	+29.61	+1.85	−3.7	+15.3
10	−16.09	−2.95	+97.1	−15.7	24	+31.46	+1.66	+11.6	+15.2
11	−19.04	−2.81	+81.4	−16.2	25	+33.12	+1.45	+26.8	+15.0
12	−21.85	−2.67	+65.2	−16.5	26	+34.57	+1.25	+41.8	+14.8
13	−24.52	−2.50	+48.7	−16.8	27	+35.82	+1.03	+56.6	+14.3
14	−27.02	−2.30	+31.9	−17.0	28	+36.85	+0.81	+70.9	+13.8
15	−29.32	−2.09	+14.9	−17.1	März 1	+37.66	+0.60	+84.7	+13.3
16	−31.41	−1.88	−2.2	−17.0	2	+38.26	+0.38	+98.0	+12.7
17	−33.29	−1.64	−19.2	−16.8	3	+38.64	+0.15	+110.7	+12.0
18	−34.93	−1.40	−36.0	−16.6	4	+38.79	−0.07	+122.7	+11.2
19	−36.33	−1.15	−52.6	−16.1	5	+38.72	−0.28	+133.9	+10.4
20	−37.48	−0.88	−68.7	−15.6	6	+38.44	−0.50	+144.3	+9.6
21	−38.36	−0.62	−84.3	−15.0	7	+37.94	−0.71	+153.9	+8.7
22	−38.98	−0.35	−99.3	−14.2	8	+37.23	−0.92	+162.6	+7.8
23	−39.33	−0.07	−113.5	−13.5	9	+36.31	−1.12	+170.4	+6.7
24	−39.40	+0.20	−127.0	−12.6	10	+35.19	−1.32	+177.1	+5.7
25	−39.20	+0.47	−139.6	−11.5	11	+33.87	−1.50	+182.8	+4.7
26	−38.73	+0.73	−151.1	−10.3	12	+32.37	−1.68	+187.5	+3.6
27	−38.00	+0.99	−161.4	−9.2	13	+30.69	−1.84	+191.1	+2.5
28	−37.01	+1.25	−170.6	−8.1	14	+28.85	−2.00	+193.6	+1.4
29	−35.76	+1.49	−178.7	−6.8	15	+26.85	−2.15	+195.0	+0.4
30	−34.27	+1.72	−185.5	−5.5	16	+24.70	−2.28	+195.4	−0.8
31	−32.55	+1.93	−191.0	−4.2	17	+22.42	−2.40	+194.6	−2.0
Febr. 1	−30.62	+2.14	−195.2	−2.8	18	+20.02	−2.50	+192.6	−3.0
2	−28.48	+2.33	−198.0	−1.4	19	+17.52	−2.59	+189.6	−4.0
3	−26.15	+2.49	−199.4	−0.1	20	+14.93	−2.67	+185.6	−5.1
4	−23.66	+2.64	−199.5	+1.3	21	+12.26	−2.74	+180.5	−6.2
5	−21.02	+2.78	−198.2	+2.6	22	+9.52	−2.78	+174.3	−7.1
6	−18.24	+2.89	−195.6	+3.9	23	+6.74	−2.81	+167.2	−8.1
7	−15.35	+2.97	−191.7	+5.2	24	+3.93	−2.82	+159.1	−8.9
8	−12.38	+3.04	−186.5	+6.4	25	+1.11	−2.81	+150.2	−9.8
9	−9.34	+3.09	−180.1	+7.5	26	−1.70	−2.80	+140.4	−10.6
10	−6.25	+3.12	−172.6	+8.6	27	−4.50	−2.77	+129.8	−11.3
11	−3.13	+3.13	−164.0	+9.7	28	−7.27	−2.71	+118.5	−12.0
12	0.00	+3.12	−154.3	+10.6	29	−9.98	−2.64	+106.5	−12.6
13	+3.12	+3.09	−143.7	+11.5	30	−12.62	−2.56	+93.9	−13.1
14	+6.21	+3.03	−132.2	+12.3	31	−15.18	−2.45	+80.8	−13.5
15	+9.24		−119.9		April 1	−17.63		+67.3	

JAPETUS.

0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$		0^h	$\alpha_{tr} - \alpha_{pl}$		$\delta_{tr} - \delta_{pl}$	
April 1	−17.63 s	−2.34 s	+67.3″	−13.9″	Nov. 18	+15.97 s	−3.20 s	+168.0″	−4.8″
2	−19.97	−2.21	+53.4	−14.1	19	+12.77	−3.29	+163.2	−5.8
3	−22.18	−2.06	+39.3	−14.3	20	+9.48	−3.36	+157.4	−6.9
4	−24.24	−1.90	+25.0	−14.5	21	+6.12	−3.40	+150.5	−7.9
5	−26.14	−1.73	+10.5	−14.3	22	+2.72	−3.44	+142.6	−8.8
6	−27.87	−1.55	−3.8	−14.3	23	−0.72	−3.44	+133.8	−9.8
7	−29.42	−1.36	−18.1	−14.2	24	−4.16	−3.42	+124.0	−10.6
8	−30.78	−1.17	−32.3	−13.9	25	−7.58	−3.37	+113.4	−11.4
9	−31.95	−0.96	−46.2	−13.5	26	−10.95	−3.30	+102.0	−12.1
10	−32.91	−0.74	−59.7	−13.1	27	−14.25	−3.21	+89.9	−12.8
11	−33.65	−0.52	−72.8	−12.6	28	−17.46	−3.11	+77.1	−13.4
12	−34.17	−0.30	−85.4	−11.9	29	−20.57	−2.96	+63.7	−13.8
13	−34.47	−0.07	−97.3	−11.2	30	−23.53	−2.80	+49.9	−14.3
14	−34.54	+0.15	−108.5	−10.5	Dez. 1	−26.33	−2.63	+35.6	−14.6
15	−34.39	+0.37	−119.0	−9.6	2	−28.96	−2.43	+21.0	−14.7
16	−34.02	+0.60	−128.6	−8.9	3	−31.39	−2.22	+6.3	−14.8
17	−33.42		−137.5		4	−33.61	−1.98	−8.5	−14.8
					5	−35.59	−1.73	−23.3	−14.8
Okt. 22	+26.60	+2.44	−29.7	+12.6	6	−37.32	−1.46	−38.1	−14.5
23	+29.04	+2.28	−17.1	+12.8	7	−38.78	−1.20	−52.6	−14.1
24	+31.32	+2.10	−4.3	+12.9	8	−39.98	−0.91	−66.7	−13.7
25	+33.42	+1.91	+8.6	+12.9	9	−40.89	−0.62	−80.4	−13.2
26	+35.33	+1.71	+21.5	+12.8	10	−41.51	−0.32	−93.6	−12.6
27	+37.04	+1.50	+34.3	+12.7	11	−41.83	−0.02	−106.2	−11.8
28	+38.54	+1.28	+47.0	+12.5	12	−41.85	+0.27	−118.0	−11.1
29	+39.82	+1.04	+59.5	+12.1	13	−41.58	+0.57	−129.1	−10.2
30	+40.86	+0.81	+71.6	+11.8	14	−41.01	+0.86	−139.3	−9.2
31	+41.67	+0.58	+83.4	+11.4	15	−40.15	+1.15	−148.5	−8.2
Nov. 1	+42.25	+0.33	+94.8	+10.9	16	−39.00	+1.42	−156.7	−7.1
2	+42.58	+0.07	+105.7	+10.3	17	−37.58	+1.69	−163.8	−5.9
3	+42.65	−0.18	+116.0	+9.7	18	−35.89	+1.94	−169.7	−4.8
4	+42.47	−0.42	+125.7	+9.0	19	−33.95	+2.18	−174.5	−3.6
5	+42.05	−0.68	+134.7	+8.2	20	−31.77	+2.40	−178.1	−2.3
6	+41.37	−0.93	+142.9	+7.5	21	−29.37	+2.60	−180.4	−1.0
7	+40.44	−1.17	+150.4	+6.6	22	−26.77	+2.80	−181.4	+0.2
8	+39.27	−1.41	+157.0	+5.7	23	−23.97	+2.95	−181.2	+1.5
9	+37.86	−1.65	+162.7	+4.7	24	−21.02	+3.09	−179.7	+2.6
10	+36.21	−1.87	+167.4	+3.8	25	−17.93	+3.22	−177.1	+3.9
11	+34.34	−2.08	+171.2	+2.8	26	−14.71	+3.31	−173.2	+5.0
12	+32.26	−2.28	+174.0	+1.7	27	−11.40	+3.38	−168.2	+6.2
13	+29.98	−2.47	+175.7	+0.6	28	−8.02	+3.44	−162.0	+7.3
14	+27.51	−2.66	+176.3	−0.4	29	−4.58	+3.47	−154.7	+8.3
15	+24.85	−2.82	+175.9	−1.5	30	−1.11	+3.47	−146.4	+9.3
16	+22.03	−2.97	+174.4	−2.7	31	+2.36	+3.45	−137.1	+10.1
17	+19.06	−3.09	+171.7	−3.7	32	+5.81	+3.42	−127.0	+11.0
18	+15.97		+168.0		33	+9.23		−116.0	

Elongationen.

MIMAS.

Jan.	h	Jan.	h	Febr.	h	März	h	März	h
1	4.8 W.	20	23.7 W.	9	7.4 O.	1	2.4 O.	20	21.5 O.
1	16.1 O.	21	11.0 O.	9	18.7 W.	1	13.7 W.	21	8.8 W.
2	3.4 W.	21	22.3 W.	10	6.0 O.	2	1.0 O.	21	20.1 O.
2	14.7 O.	22	9.7 O.	10	17.3 W.	2	12.3 W.	22	7.4 W.
3	2.0 W.	22	21.0 W.	11	4.6 O.	2	23.7 O.	22	18.8 O.
3	13.3 O.	23	8.3 O.	11	15.9 W.	3	11.0 W.	23	6.1 W.
4	0.6 W.	23	19.6 W.	12	3.2 O.	3	22.3 O.	23	17.4 O.
4	11.9 O.	24	6.9 O.	12	14.5 W.	4	9.6 W.	24	4.7 W.
4	23.2 W.	24	18.2 W.	13	1.9 O.	4	20.9 O.	24	16.0 O.
5	10.5 O.	25	5.5 O.	13	13.2 W.	5	8.2 W.	25	3.3 W.
5	21.8 W.	25	16.8 W.	14	0.5 O.	5	19.5 O.	25	14.6 O.
6	9.2 O.	26	4.1 O.	14	11.8 W.	6	6.8 W.	26	1.9 W.
6	20.5 W.	26	15.4 W.	14	23.1 O.	6	18.2 O.	26	13.2 O.
7	7.8 O.	27	2.7 O.	15	10.4 W.	7	5.5 W.	27	0.6 W.
7	19.1 W.	27	14.0 W.	15	21.7 O.	7	16.8 O.	27	11.9 O.
8	6.4 O.	28	1.4 O.	16	9.0 W.	8	4.1 W.	27	23.2 W.
8	17.7 W.	28	12.7 W.	16	20.3 O.	8	15.4 O.	28	10.5 O.
9	5.0 O.	29	0.0 O.	17	7.6 W.	9	2.7 W.	28	21.8 W.
9	16.3 W.	29	11.3 W.	17	18.9 O.	9	14.0 O.	29	9.1 O.
10	3.6 O.	29	22.6 O.	18	6.3 W.	10	1.3 W.	29	20.4 W.
10	14.9 W.	30	9.9 W.	18	17.6 O.	10	12.6 O.	30	7.7 O.
11	2.2 O.	30	21.2 O.	19	4.9 W.	11	0.0 W.	30	19.1 W.
11	13.5 W.	31	8.5 W.	19	16.2 O.	11	11.3 O.	31	6.4 O.
12	0.9 O.	31	19.8 O.	20	3.5 W.	11	22.6 W.	31	17.7 W.
12	12.2 W.	**Febr.**		20	14.8 O.	12	9.9 O.	**April**	
12	23.5 O.	1	7.1 W.	21	2.1 W.	12	21.2 W.	1	5.0 O.
13	10.8 W.	1	18.4 O.	21	13.4 O.	13	8.5 O.	1	16.3 W.
13	22.1 O.	2	5.8 W.	22	0.7 W.	13	19.8 W.	2	3.6 O.
14	9.4 W.	2	17.1 O.	22	12.0 O.	14	7.1 O.	2	14.9 W.
14	20.7 O.	3	4.4 W.	22	23.4 W.	14	18.5 W.	3	2.2 O.
15	8.0 W.	3	15.7 O.	23	10.7 O.	15	5.8 O.	3	13.5 W.
15	19.3 O.	4	3.0 W.	23	22.0 W.	15	17.1 W.	4	0.9 O.
16	6.6 W.	4	14.3 O.	24	9.3 O.	16	4.4 O.	4	12.2 W.
16	17.9 O.	5	1.6 W.	24	20.6 W.	16	15.7 W.	4	23.5 O.
17	5.3 W.	5	12.9 O.	25	7.9 O.	17	3.0 O.	5	10.8 W.
17	16.6 O.	6	0.2 W.	25	19.2 W.	17	14.3 W.	5	22.1 O.
18	3.9 W.	6	11.5 O.	26	6.5 O.	18	1.6 O.	6	9.4 W.
18	15.2 O.	6	22.8 W.	26	17.9 W.	18	12.9 W.	6	20.7 O.
19	2.5 W.	7	10.2 O.	27	5.2 O.	19	0.3 O.	7	8.0 W.
19	13.8 O.	7	21.5 W.	27	16.5 W.	19	11.6 W.	7	19.4 O.
20	1.1 W.	8	8.8 O.	28	3.8 O.	19	22.9 O.	8	6.7 W.
20	12.4 O.	8	20.1 W.	28	15.1 W.	20	10.2 W.	8	18.0 O.

Elongationen.

MIMAS (Fortsetzung).

April	h	Okt.	h	Nov.	h	Nov.	h	Dez.	h
9	5.3 W.	28	10.0 O.	13	10.4 O.	29	22.1 W.	15	22.5 W.
9	16.6 O.	28	21.3 W.	13	21.7 W.	30	9.4 O.	16	9.8 O.
10	3.9 W.	29	8.6 O.	14	9.0 O.	30	20.7 W.	16	21.1 W.
10	15.2 O.	29	19.9 W.	14	20.3 W.	Dez.		17	8.5 O.
11	2.5 W.	30	7.2 O.	15	7.6 O.	1	8.0 O.	17	19.8 W.
11	13.8 O.	30	18.5 W.	15	18.9 W.	1	19.4 W.	18	7.1 O.
12	1.2 W.	31	5.8 O.	16	6.2 O.	2	6.7 O.	18	18.4 W.
12	12.5 O.	31	17.1 W.	16	17.5 W.	2	18.0 W.	19	5.7 O.
12	23.8 W.	Nov.		17	4.8 O.	3	5.3 O.	19	17.0 W.
13	11.1 O.	1	4.4 O.	17	16.1 W.	3	16.6 W.	20	4.3 O.
13	22.4 W.	1	15.8 W.	18	3.4 O.	4	3.9 O.	20	15.6 W.
14	9.7 O.	2	3.1 O.	18	14.7 W.	4	15.2 W.	21	2.9 O.
14	21.0 W.	2	14.4 W.	19	2.0 O.	5	2.5 O.	21	14.2 W.
15	8.3 O.	3	1.7 O.	19	13.3 W.	5	13.8 W.	22	1.5 O.
15	19.7 W.	3	13.0 W.	20	0.6 O.	6	1.1 O.	22	12.8 W.
16	7.0 O.	4	0.3 O.	20	11.9 W.	6	12.4 W.	23	0.1 O.
16	18.3 W.	4	11.6 W.	20	23.2 O.	6	23.7 O.	23	11.4 W.
17	5.6 O.	4	22.9 O.	21	10.5 W.	7	11.1 W.	23	22.7 O.
17	16.9 W.	5	10.2 W.	21	21.8 O.	7	22.3 O.	24	10.0 W.
		5	21.5 O.	22	9.1 W.	8	9.6 W.	24	21.3 O.
		6	8.8 W.	22	20.4 O.	8	20.9 O.	25	8.6 W.
Okt.		6	20.1 O.	23	7.7 W.	9	8.3 W.	25	19.9 O.
22	7.0 W.	7	7.4 W.	23	19.1 O.	9	19.6 O.	26	7.2 W.
22	18.3 O.	7	18.7 O.	24	6.4 W.	10	6.9 W.	26	18.5 O.
23	5.6 W.	8	6.0 W.	24	17.7 O.	10	18.2 O.	27	5.8 W.
23	16.9 O.	8	17.3 O.	25	5.0 W.	11	5.5 W.	27	17.1 O.
24	4.2 W.	9	4.6 W.	25	16.3 O.	11	16.8 O.	28	4.4 W.
24	15.5 O.	9	15.9 O.	26	3.6 W.	12	4.1 W.	28	15.7 O.
25	2.8 W.	10	3.2 W.	26	14.9 O.	12	15.4 O.	29	3.0 W.
25	14.1 O.	10	14.5 O.	27	2.2 W.	13	2.7 W.	29	14.4 O.
26	1.4 W.	11	1.8 W.	27	13.5 O.	13	14.0 O.	30	1.7 W.
26	12.7 O.	11	13.1 O.	28	0.9 W.	14	1.3 W.	30	13.0 O.
27	0.0 W.	12	0.4 W.	28	12.2 O.	14	12.6 O.	31	0.3 W.
27	11.4 O.	12	11.8 O.	28	23.5 W.	14	23.9 W.	31	11.6 O.
27	22.7 W.	12	23.1 W.	29	10.8 O.	15	11.2 O.	31	22.9 W.

ENCELADUS.

Jan.	h	Jan.	h	Jan.	h	Jan.	h	Jan.	h
1	7.7 W.	3	9.0 O.	5	10.3 W.	7	11.7 O.	9	13.0 W.
2	0.1 O.	4	1.4 W.	6	2.8 O.	8	4.1 W.	10	5.5 O.
2	16.6 W.	4	17.9 O.	6	19.2 W.	8	20.6 O.	10	21.9 W.

Elongationen.

ENCELADUS (Fortsetzung).

Jan.	h	Febr.	h	März	h	April	h	Nov.	h
11	14.4 O.	8	16.4 W.	8	18.8 O.	5	21.1 W.	2	6.7 O.
12	6.8 W.	9	8.9 O.	9	11.2 W.	6	13.5 O.	2	23.2 W.
12	23.2 O.	10	1.3 W.	10	3.7 O.	7	6.0 W.	3	15.6 O.
13	15.7 W.	10	17.8 O.	10	20.1 W.	7	22.4 O.	4	8.0 W.
14	8.1 O.	11	10.2 W.	11	12.6 O.	8	14.9 W.	5	0.5 O.
15	0.6 W.	12	2.7 O.	12	5.0 W.	9	7.3 O.	5	16.9 W.
15	17.0 O.	12	19.1 W.	12	21.5 O.	9	23.8 W.	6	9.4 O.
16	9.5 W.	13	11.5 O.	13	13.9 W.	10	16.2 O.	7	1.8 W.
17	1.9 O.	14	4.0 W.	14	6.4 O.	11	8.7 W.	7	18.2 O.
17	18.4 W.	14	20.4 O.	14	22.8 W.	12	1.1 O.	8	10.7 W.
18	10.8 O.	15	12.9 W.	15	15.3 O.	12	17.6 W.	9	3.1 O.
19	3.3 W.	16	5.3 O.	16	7.7 W.	13	10.0 O.	9	19.5 W.
19	19.7 O.	16	21.8 W.	17	0.2 O.	14	2.5 W.	10	12.0 O.
20	12.1 W.	17	14.2 O.	17	16.6 W.	14	18.9 O.	11	4.4 W.
21	4.6 O.	18	6.7 W.	18	9.0 O.	15	11.4 W.	11	20.9 O.
21	21.0 W.	18	23.1 O.	19	1.5 W.	16	3.8 O.	12	13.3 W.
22	13.5 O.	19	15.6 W.	19	17.9 O.	16	20.3 W.	13	5.7 O.
23	5.9 W.	20	8.0 O.	20	10.4 W.	17	12.7 O.	13	22.2 W.
23	22.3 O.	21	0.5 W.	21	2.8 O.			14	14.6 O.
24	14.8 W.	21	16.9 O.	21	19.3 W.			15	7.0 W.
25	7.2 O.	22	9.4 W.	22	11.7 O.			15	23.5 O.
25	23.6 W.	23	1.8 O.	23	4.2 W.			16	15.9 W.
26	16.1 O.	23	18.3 W.	23	20.6 O.			17	8.4 O.
27	8.5 W.	24	10.7 O.	24	13.1 W.			18	0.8 W.
28	1.0 O.	25	3.2 W.	25	5.5 O.	Okt.		18	17.2 O.
28	17.4 W.	25	19.6 O.	25	21.9 W.	22	7.7 O.	19	9.7 W.
29	9.8 O.	26	12.1 W.	26	14.4 O.	23	0.1 W.	20	2.1 O.
30	2.3 W.	27	4.5 O.	27	6.8 W.	23	16.5 O.	20	18.5 W.
30	18.7 O.	27	21.0 W.	27	23.3 O.	24	9.0 W.	21	11.0 O.
31	11.1 W.	28	13.4 O.	28	15.7 W.	25	1.4 O.	22	3.4 W.
Febr.		März		29	8.2 O.	25	17.9 W.	22	19.9 O.
1	3.6 O.	1	5.9 W.	30	0.6 W.	26	10.3 O.	23	12.3 W.
1	20.0 W.	1	22.3 O.	30	17.1 O.	27	2.8 W.	24	4.7 O.
2	12.5 O.	2	14.8 W.	31	9.5 W.	27	19.2 O.	24	21.2 W.
3	4.9 W.	3	7.2 O.	April		28	11.6 W.	25	13.6 O.
3	21.3 O.	3	23.7 W.	1	2.0 O.	29	4.1 O.	26	6.0 W.
4	13.8 W.	4	16.1 O.	1	18.4 W.	29	20.5 W.	26	22.5 O.
5	6.2 O.	5	8.6 W.	2	10.8 O.	30	13.0 O.	27	14.9 W.
5	22.6 W.	6	1.0 O.	3	3.3 W.	31	5.4 W.	28	7.4 O.
6	15.1 O.	6	17.5 W.	3	19.7 O.	31	21.8 O.	28	23.8 W.
7	7.5 W.	7	9.9 O.	4	12.2 W.	Nov.		29	16.2 O.
8	0.0 O.	8	2.4 W.	5	4.6 O.	1	14.3 W.	30	8.7 W.

Elongationen.

ENCELADUS (Fortsetzung).

Dez.	h	Dez.	h	Dez.	h	Dez.	h	Dez.	h
1	1.1 O.	7	21.5 O.	14	17.8 O.	21	14.2 O.	28	10.5 O.
1	17.5 W.	8	13.9 W.	15	10.3 W.	22	6.6 W.	29	3.0 W.
2	10.0 O.	9	6.3 O.	16	2.7 O.	22	23.1 O.	29	19.4 O.
3	2.4 W.	9	22.8 W.	16	19.1 W.	23	15.5 W.	30	11.8 W.
3	18.9 O.	10	15.2 O.	17	11.6 O.	24	7.9 O.	31	4.3 O.
4	11.3 W.	11	7.7 W.	18	4.0 W.	25	0.4 W.	31	20.7 W.
5	3.7 O.	12	0.1 O.	18	20.5 O.	25	16.8 O.		
5	20.2 W.	12	16.5 W.	19	12.9 W.	26	9.2 W.		
6	12.6 O.	13	9.0 O.	20	5.3 O.	27	1.7 O.		
7	5.0 W.	14	1.4 W.	20	21.8 W.	27	18.1 W.		

TETHYS.

Jan.	h	Jan.	h	Febr.	h	März	h	April	h
1	1.9 W.	27	12.2 W.	21	23.7 O.	19	11.7 W.	13	23.6 O.
2	0.6 O.	28	10.8 O.	22	22.4 W.	20	10.3 O.	14	22.2 W.
2	23.2 W.	29	9.5 W.	23	21.1 O.	21	9.0 W.	15	20.9 O.
3	21.8 O.	30	8.1 O.	24	19.7 W.	22	7.7 O.	16	19.6 W.
4	20.5 W.	31	6.8 W.	25	18.4 O.	23	6.3 W.	17	18.3 O.
5	19.1 O.	Febr.		26	17.1 W.	24	5.0 O.		
6	17.8 W.	1	5.4 O.	27	15.7 O.	25	3.6 W.		
7	16.4 O.	2	4.1 W.	28	14.4 W.	26	2.3 O.		
8	15.1 W.	3	2.7 O.	März		27	1.0 W.		
9	13.7 O.	4	1.4 W.	1	13.1 O.	27	23.6 O.		
10	12.4 W.	5	0.0 O.	2	11.7 W.	28	22.3 W.	Okt.	
11	11.0 O.	5	22.7 W.	3	10.4 O.	29	21.0 O.	22	16.6 W.
12	9.7 W.	6	21.3 O.	4	9.1 W.	30	19.6 W.	23	15.2 O.
13	8.4 O.	7	20.0 W.	5	7.7 O.	31	18.3 O.	24	13.9 W.
14	7.0 W.	8	18.6 O.	6	6.4 W.	April		25	12.5 O.
15	5.7 O.	9	17.3 W.	7	5.1 O.	1	16.9 W.	26	11.2 W.
16	4.3 W.	10	15.9 O.	8	3.7 W.	2	15.6 O.	27	9.9 O.
17	3.0 O.	11	14.6 W.	9	2.4 O.	3	14.3 W.	28	8.5 W.
18	1.6 W.	12	13.2 O.	10	1.1 W.	4	12.9 O.	29	7.2 O.
19	0.3 O.	13	11.9 W.	10	23.7 O.	5	11.6 W.	30	5.8 W.
19	22.9 W.	14	10.5 O.	11	22.4 W.	6	10.3 O.	31	4.5 O.
20	21.6 O.	15	9.2 W.	12	21.0 O.	7	8.9 W.	Nov.	
21	20.3 W.	16	7.8 O.	13	19.7 W.	8	7.6 O.	1	3.1 W.
22	18.9 O.	17	6.5 W.	14	18.4 O.	9	6.2 W.	2	1.8 O.
23	17.6 W.	18	5.1 O.	15	17.0 W.	10	4.9 O.	3	0.4 W.
24	16.2 O.	19	3.8 W.	16	15.7 O.	11	3.6 W.	3	23.1 O.
25	14.9 W.	20	2.4 O.	17	14.4 W.	12	2.2 O.	4	21.7 W.
26	13.5 O.	21	1.1 W.	18	13.0 O.	13	0.9 W.	5	20.4 O.

Elongationen.

TETHYS (Fortsetzung).

Nov.	h	Nov.	h	Nov.	h	Dez.	h	Dez.	h
6	19.0 W.	18	2.8 W.	29	10.5 W.	9	19.6 O.	21	3.3 O.
7	17.7 O.	19	1.4 O.	30	9.1 O.	10	18.2 W.	22	1.9 W.
8	16.3 W.	20	0.0 W.	Dez.		11	16.9 O.	23	0.6 O.
9	15.0 O.	20	22.7 O.	1	7.8 W.	12	15.5 W.	23	23.2 W.
10	13.6 W.	21	21.3 W.	2	6.4 O.	13	14.2 O.	24	21.9 O.
11	12.3 O.	22	20.0 O.	3	5.1 W.	14	12.8 W.	25	20.5 W.
12	10.9 W.	23	18.6 W.	4	3.7 O.	15	11.4 O.	26	19.2 O.
13	9.5 O.	24	17.3 O.	5	2.4 W.	16	10.1 W.	27	17.8 W.
14	8.2 W.	25	15.9 W.	6	1.0 O.	17	8.7 O.	28	16.4 O.
15	6.8 O.	26	14.6 O.	6	23.6 W.	18	7.4 W.	29	15.1 W.
16	5.5 W.	27	13.2 W.	7	22.3 O.	19	6.0 O.	30	13.7 O.
17	4.1 O.	28	11.8 O.	8	20.9 W.	20	4.7 W.	31	12.4 W.

DIONE.

Jan.	h	Febr.	h	März	h	Okt.	h	Nov.	h
2	3.7 O.	8	2.2 W.	17	1.2 O.	22	4.2 O.	28	2.5 W.
3	12.5 W.	9	11.1 O.	18	10.1 W.	23	13.0 W.	29	11.4 O.
4	21.3 O.	10	19.9 W.	19	19.0 O.	24	21.8 O.	30	20.2 W.
6	6.1 W.	12	4.8 O.	21	3.8 W.	26	6.7 W.	Dez.	
7	15.0 O.	13	13.6 W.	22	12.7 O.	27	15.5 O.	2	5.0 O.
8	23.8 W.	14	22.4 O.	23	21.5 W.	29	0.3 W.	3	13.8 W.
10	8.7 O.	16	7.3 W.	25	6.4 O.	30	9.2 O.	4	22.7 O.
11	17.5 W.	17	16.1 O.	26	15.3 W.	31	18.0 W.	6	7.5 W.
13	2.4 O.	19	1.0 W.	28	0.1 O.	Nov.		7	16.3 O.
14	11.2 W.	20	9.8 O.	29	9.0 W.	2	2.8 O.	9	1.1 W.
15	20.0 O.	21	18.7 W.	30	17.9 O.	3	11.7 W.	10	9.9 O.
17	4.9 W.	23	3.5 O.	April		4	20.5 O.	11	18.7 W.
18	13.7 O.	24	12.4 W.	1	2.7 W.	6	5.3 W.	13	3.5 O.
19	22.6 W.	25	21.2 O.	2	11.6 O.	7	14.2 O.	14	12.3 W.
21	7.4 O.	27	6.1 W.	3	20.5 W.	8	23.0 W.	15	21.2 O.
22	16.2 W.	28	14.9 O.	5	5.3 O.	10	7.8 O.	17	6.0 W.
24	1.1 O.	März		6	14.2 W.	11	16.6 W.	18	14.8 O.
25	9.9 W.	1	23.8 W.	7	23.1 O.	13	1.5 O.	19	23.6 W.
26	18.7 O.	3	8.7 O.	9	7.9 W.	14	10.3 W.	21	8.4 O.
28	3.6 W.	4	17.5 W.	10	16.8 O.	15	19.1 O.	22	17.2 W.
29	12.4 O.	6	2.4 O.	12	1.7 W.	17	3.9 W.	24	2.0 O.
30	21.2 W.	7	11.2 W.	13	10.5 O.	18	12.8 O.	25	10.9 W.
Febr.		8	20.1 O.	14	19.4 W.	19	21.6 W.	26	19.7 O.
1	6.1 O.	10	5.0 W.	16	4.3 O.	21	6.4 O.	28	4.5 W.
2	14.9 W.	11	13.8 O.	17	13.2 W.	22	15.2 W.	29	13.4 O.
3	23.7 O.	12	22.7 W.			24	0.1 O.	30	22.2 W.
5	8.6 W.	14	7.5 O.			25	8.9 W.		
6	17.4 O.	15	16.4 W.			26	17.7 O.		

Elongationen.

RHEA.

Jan.	h	Febr.	h	März	h	Okt.	h	Nov.	h
1	15.8 O.	9	0.9 W.	19	10.9 O.	22	13.7 O.	29	22.6 W.
3	21.9 W.	11	7.1 O.	21	17.1 W.	24	19.9 W.	Dez.	
6	4.1 O.	13	13.3 W.	23	23.4 O.	27	2.1 O.	2	4.8 O.
8	10.3 W.	15	19.6 O.	26	5.6 W.	29	8.3 W.	4	10.9 W.
10	16.5 O.	18	1.8 W.	28	11.9 O.	31	14.5 O.	6	17.1 O.
12	22.7 W.	20	8.0 O.	30	18.2 W.	Nov.		8	23.2 W.
15	4.8 O.	22	14.2 W.	April		2	20.7 W.	11	5.4 O.
17	11.0 W.	24	20.5 O.	2	0.5 O.	5	2.9 O.	13	11.5 W.
19	17.2 O.	27	2.7 W.	4	6.8 W.	7	9.1 W.	15	17.7 O.
21	23.4 W.	März		6	13.0 O.	9	15.2 O.	17	23.8 W.
24	5.6 O.	1	9.0 O.	8	19.3 W.	11	21.4 W.	20	6.0 O.
26	11.8 W.	3	15.2 W.	11	1.6 O.	14	3.6 O.	22	12.1 W.
28	17.9 O.	5	21.4 O.	13	7.9 W.	16	9.7 W.	24	18.3 O.
31	0.1 W.	8	3.7 W.	15	14.1 O.	18	15.9 O.	27	0.4 W.
Febr.		10	9.9 O.	17	20.4 W.	20	22.0 W.	29	6.6 O.
2	6.3 O.	12	16.1 W.			23	4.2 O.	31	12.7 W.
4	12.5 W.	14	22.4 O.			25	10.3 W.		
6	18.7 O.	17	4.6 W.			27	16.5 O.		

TITAN.

Jan.	h	Febr.	h	März	h	Okt.	h	Dez.	h
8	13.1 W.	17	14.2 O.	29	7.7 W.	23	12.7 W.	2	13.6 O.
16	17.5 O.	25	8.3 W.	April		31	18.4 O.	10	5.7 W.
24	11.0 W.	März		6	13.5 O.	Nov.		18	10.8 O.
Febr.		5	13.4 O.	14	8.0 W.	8	10.8 W.	26	2.9 W.
1	15.5 O.	13	7.8 W.			16	16.2 O.		
9	9.4 W.	21	13.2 O.			24	8.4 W.		

HYPERION.

Jan.	h	Febr.	h	März	h	Okt.	h	Dez.	h
2	11.9 W.	14	0.1 W.	28	20.6 W.	30	3.8 W.	11	12.9 W.
13	12.1 O.	25	14.7 O.	April		Nov.		21	17.3 O.
23	17.0 W.	März		8	21.4 O.	9	8.9 O.		
Febr.		7	9.4 W.			20	9.1 W.		
3	17.0 O.	18	10.9 O.			30	13.6 O.		

JAPETUS.

		h	
Jan.	5	20.8	Untere Kulmination
	24	23.6	Westliche Elongation
Febr.	12	21.3	Obere Kulmination
März	5	7.3	Östliche Elongation
	26	7.5	Untere Kulmination
April	15	0.1	Westliche Elongation
Nov.	3	20.7	Östliche Elongation
	23	9.2	Untere Kulmination
Dez.	12	4.0	Westliche Elongation
	30	23.3	Obere Kulmination

Tag	h	Konstellation
Jan.		
5	7	♂ ☍ ☉
8	6	☿ im Aphel
8	23	♄ ☌ ☾
11	3	♂ ☌ ☾
13	18	☿ ☌ ♀
		☿ 1° 4′ südl.
17	7	♆ ☍ ☉
20	5	♃ ☌ ☉
22	3	☿ ☌ ♃
		☿ 1° 40′ südl.
24	21	☿ obere ☌ ☉
25	7	♀ ☌ ♃
		♀ 0° 33′ südl.
25	10	♃ ☌ ☾
25	10	♀ ☌ ☾
25	20	☿ ☌ ☾
27	21	♅ ☌ ☉
Febr.		
3	20	♀ im Aphel
5	6	♄ ☌ ☾
7	2	♂ ☌ ☾
11	9	♀ obere ☌ ☉
21	6	☿ im Perihel
22	4	♃ ☌ ☾
22	7	☿ gr. östl. Elong. 18° 6′
24	21	♀ ☌ ☾
26	1	☿ ☌ ☾
März		
4	16	♄ ☌ ☾
6	16	♂ ☌ ☾
10	5	☿ untere ☌ ☉
21	22	♃ ☌ ☾
24	5	☿ ☌ ☾
27	11	♀ ☌ ☾
April		
1	1	♄ ☌ ☾
3	16	♂ ☌ ☾
6	5	☿ im Aphel
6	20	☿ gr. westl. Elong. 27° 46′
18	13	♃ ☌ ☾
23	3	☿ ☌ ☾
26	19	♂ im Aphel
26	19	♀ ☌ ☾
28	12	♄ ☌ ☾
Mai		
1	22	♂ ☌ ☾
16	3	♃ ☌ ☾
16	3	♀ ☌ ♄
		♀ 2° 10′ nördl.
16	23	☿ obere ☌ ☉
20	5	☿ im Perihel
25	14	☿ ☌ ☾
26	0	♄ ☌ ☾
26	22	♀ ☌ ☾
27	5	♀ im Perihel
30	6	♂ ☌ ☾
Juni		
12	13	♃ ☌ ☾
13	3	♄ ☌ ☉
18	21	☿ gr. östl. Elong. 24° 55′
22	13	♄ ☌ ☾
22	22	♂ ☌ α Leonis
		♂ 0° 46′ nördl.
25	2	☿ ☌ ☾
25	22	♀ ☌ ☾
27	17	♂ ☌ ☾
Juli		
3	5	☿ im Aphel
9	20	♃ ☌ ☾
16	7	☿ untere ☌ ☉
20	4	♄ ☌ ☾
21	3	♆ ☌ ☉
21	21	☿ ☌ ☾
25	19	♀ ☌ ☾
26	5	♂ ☌ ☾
Aug.		
2	8	♅ ☍ ☉
5	2	☿ gr. westl. Elong. 19° 13′
5	15	♀ ☌ ♂
		♀ 0° 10′ südl.
5	23	♃ ☌ ☾
10	10	♃ ☍ ☉
16	4	☿ im Perihel
16	18	♄ ☌ ☾
20	7	☿ ☌ ☾
23	20	♂ ☌ ☾
24	11	♀ ☌ ☾
30	7	☿ obere ☌ ☉
Sept.		
2	0	♃ ☌ ☾
13	6	♄ ☌ ☾
16	13	♀ im Aphel
17	22	♀ gr. östl. Elong. 46° 27′
20	17	☿ ☌ ☾
21	11	♂ ☌ ☾
22	19	♀ ☌ ☾
29	2	♃ ☌ ☾
29	4	☿ im Aphel
Okt.		
5	21	☿ ☌ ♂
		☿ 2° 11′ südl.
10	16	♄ ☌ ☾
15	5	☿ gr. östl. Elong. 24° 52′
20	4	♂ ☌ ☾
20	12	☿ ☌ ☾
21	15	♀ ☌ ☾
23	14	♀ ☌ α Scorpii
		♀ 1° 0′ südl.
24	11	♀ im größten Glanz
26	8	♃ ☌ ☾
30	5	☿ ☌ ♂
		☿ 2° 14′ südl.
Nov.		
6	21	♄ ☌ ☾
7	1	☿ untere ☌ ☉, Durchgang.
12	3	☿ im Perihel
16	5	☿ ☌ ☾
17	23	♂ ☌ ☾
18	5	♀ ☌ ☾
21	11	♀ ☌ ♂
		♀ 2° 45′ südl.
22	21	♃ ☌ ☾
23	15	☿ gr. westl. Elong. 19° 51′
27	6	♀ untere ☌ ☉
Dez.		
4	0	♄ ☌ ☾
7	4	☿ ☌ ♀
		☿ 0° 21′ nördl.
9	2	☿ ☌ β Scorpii
		☿ 0° 12′ südl.
14	23	♀ ☌ ☾
15	21	☿ ☌ ☾
16	19	♂ ☌ ☾
20	14	♃ ☌ ☾
21	2	♄ ☍ ☉
23	17	♂ ☌ ☉
26	3	☿ im Aphel
31	2	♄ ☌ ☾

Zur Berechnung der physischen Mondlibration 1914.

12^h		M	M'	ω	12^h		M	M'	ω
Jan.	1	156.5°	359.3°	195.7°	Juli	10	118.9°	186.6°	227.0°
	11	287.2	9.2	197.4		20	249.5	196.4	228.6
	21	57.8	19.0	199.0		30	20.2	206.3	230.3
	31	188.4	28.9	200.7	Aug.	9	150.8	216.1	231.9
Febr.	10	319.1	38.7	202.3		19	281.5	226.0	233.5
	20	89.8	48.6	204.0		29	52.1	235.8	235.2
März	2	220.4	58.4	205.6	Sept.	8	182.8	245.7	236.8
	12	351.1	68.3	207.3		18	313.4	255.6	238.5
	22	121.7	78.1	208.9		28	84.1	265.4	240.1
April	1	252.4	88.0	210.5	Okt.	8	214.7	275.3	241.8
	11	23.0	97.9	212.2		18	345.4	285.1	243.4
	21	153.7	107.7	213.8		28	116.0	295.0	245.1
Mai	1	284.3	117.6	215.5	Nov.	7	246.7	304.8	246.7
	11	55.0	127.4	217.1		17	17.3	314.7	248.3
	21	185.6	137.3	218.8		27	148.0	324.5	250.0
	31	316.3	147.1	220.4	Dez.	7	278.6	334.4	251.6
Juni	10	86.9	157.0	222.0		17	49.3	344.3	253.3
	20	217.6	166.8	223.7		27	179.9	354.1	254.9
	30	348.2	176.7	225.3		37	310.6	4.0	256.6

Bewegung von M			
1^d	13.1°	6^d	78.4°
2	26.1	7	91.5
3	39.2	8	104.5
4	52.3	9	117.6
5	65.3	10	130.6
1^h	0.5°	13^h	7.1°
2	1.1	14	7.6
3	1.6	15	8.2
4	2.2	16	8.7
5	2.7	17	9.3
6	3.3	18	9.8
7	3.8	19	10.3
8	4.4	20	10.9
9	4.9	21	11.4
10	5.4	22	12.0
11	6.0	23	12.5
12	6.5	24	13.1

M = Mittlere Anomalie des Mondes.

M' = Mittlere Anomalie der Sonne.

ω = Abstand des Mondperigäums vom aufsteigenden Knoten der Mondbahn auf der Ekliptik.

$J = 1^\circ\ 32'\ 6''$ = Mittlere Neigung des Mondäquators gegen die Ekliptik.

$\tau = -12'' \sin M + 59'' \sin M' + 18'' \sin 2\omega.$

$\rho = -107'' \cos M + 37'' \cos (M + 2\omega) - 11'' \cos (2M + 2\omega).$

$\sigma \sin J = -109'' \sin M + 37'' \sin (M + 2\omega) - 11'' \sin (2M + 2\omega).$

τ, ρ, σ sind die Beträge der physischen Mondlibration in selenographischer Länge, der Neigung und dem Knoten des Mondäquators auf der Ekliptik.

Tafel zur Berechnung der optischen Mondlibration.

λ-☊	Δλ	$\frac{1}{a}$	B		λ-☊	Δλ	$\frac{1}{a}$	B	
0°	+0.0	+37	+0° 0.0	1.6	35°	+0.6	+45	+0° 52.8	1.3
1	0.0	37	0 1.6	1.6	36	0.6	46	0 54.1	1.3
2	0.0	37	0 3.2	1.6	37	0.6	47	0 55.4	1.3
3	0.1	37	0 4.8	1.6	38	0.6	47	0 56.7	1.3
4	0.1	37	0 6.4	1.6	39	0.6	48	0 58.0	1.2
5	+0.1	+37	+0 8.0	1.6	40	+0.6	+49	+0 59.2	1.2
6	0.1	37	0 9.6	1.6	41	0.6	49	1 0.4	1.2
7	0.1	38	0 11.2	1.6	42	0.6	50	1 1.6	1.2
8	0.2	38	0 12.8	1.6	43	0.6	51	1 2.8	1.2
9	0.2	38	0 14.4	1.6	44	0.6	52	1 4.0	1.2
10	+0.2	+38	+0 16.0	1.6	45	+0.6	+53	+1 5.2	1.1
11	0.2	38	0 17.6	1.5	46	0.6	54	1 6.3	1.1
12	0.2	38	0 19.1	1.6	47	0.6	55	1 7.4	1.1
13	0.3	38	0 20.7	1.6	48	0.6	56	1 8.5	1.1
14	0.3	38	0 22.3	1.6	49	0.6	57	1 9.6	1.0
15	+0.3	+39	+0 23.9	1.5	50	+0.6	+58	+1 10.6	1.1
16	0.3	39	0 25.4	1.6	51	0.6	59	1 11.7	1.0
17	0.3	39	0 27.0	1.5	52	0.6	60	1 12.7	1.0
18	0.4	39	0 28.5	1.6	53	0.6	61	1 13.7	0.9
19	0.4	39	0 30.1	1.5	54	0.6	63	1 14.6	0.9
20	+0.4	+40	+0 31.6	1.5	55	+0.6	+65	+1 15.5	0.9
21	0.4	40	0 33.1	1.5	56	0.6	67	1 16.4	0.9
22	0.4	40	0 34.6	1.5	57	0.6	69	1 17.3	0.8
23	0.4	41	0 36.1	1.4	58	0.6	71	1 18.1	0.9
24	0.5	41	0 37.5	1.5	59	0.5	73	1 19.0	0.8
25	+0.5	+41	+0 39.0	1.4	60	+0.5	+75	+1 19.8	0.8
26	0.5	41	0 40.4	1.5	61	0.5	77	1 20.6	0.7
27	0.5	42	0 41.9	1.4	62	0.5	79	1 21.3	0.8
28	0.5	42	0 43.3	1.4	63	0.5	82	1 22.1	0.7
29	0.5	43	0 44.7	1.4	64	0.5	85	1 22.8	0.7
30	+0.5	+43	+0 46.1	1.4	65	+0.5	+88	+1 23.5	0.6
31	0.5	43	0 47.5	1.3	66	0.5	92	1 24.1	0.7
32	0.6	44	0 48.8	1.3	67	0.4	96	1 24.8	0.6
33	0.6	44	0 50.1	1.3	68	0.4	100	1 25.4	0.6
34	0.6	45	0 51.4	1.4	69	0.4	104	1 26.0	0.5
35	+0.6	+45	+0 52.8		70	+0.4	+109	+1 26.5	

Tafel zur Berechnung der optischen Mondlibration.

$\lambda - ☋$	$\Delta\lambda$	$\frac{1}{a}$	B		$\lambda - ☋$	$\Delta\lambda$	$\frac{1}{a}$	B	
70°	+0.4	+109	+1° 26.5	0.6	80°	+0.2	+ 215	+1° 30.7	0.2
71	0.4	115	1 27.1	0.5	81	0.2	239	1 30.9	0.2
72	0.4	121	1 27.6	0.5	82	0.2	268	1 31.1	0.2
73	0.3	128	1 28.1	0.5	83	0.1	306	1 31.3	0.2
74	0.3	136	1 28.6	0.4	84	0.1	357	1 31.5	0.2
75	+0.3	+144	+1 29.0	0.4	85	+0.1	+ 429	+1 31.7	0.1
76	0.3	154	1 29.4	0.4	86	0.1	535	1 31.8	0.1
77	0.3	166	1 29.8	0.3	87	0.1	713	1 31.9	0.1
78	0.2	180	1 30.1	0.3	88	0.0	1070	1 32.0	0.1
79	0.2	196	1 30.4	0.3	89	0.0	+2139	1 32.1	0.0
80	+0.2	+215	+1 30.7		90	0.0	∞	+1 32.1	

J = 1° 32′ 6″ = Neigung des Mondäquators gegen die Ekliptik.

☋ = 180° + ☊ = Länge des absteigenden Knotens der Mondbahn auf der Ekliptik (siehe Tafel S. 88).

λ, β = Länge und Breite des Mondmittelpunktes, berechnet für den Beobachtungsort.

$$\Delta\lambda = \operatorname{tg} \frac{J^2}{2} \sin 2(\lambda - ☋)\, 3437'{\cdot}75 \qquad \frac{1}{a} = \frac{1}{\cos(\lambda - ☋) \sin J}$$

$$\operatorname{tg} B = \sin(\lambda - ☋) \operatorname{tg} J$$

l_0 = Mittlere Länge des Mondes (siehe Tafel S. 88)

l', b' = Optische Libration der Mondmitte in selenographischer Länge und Breite

$$l' = \lambda + \Delta\lambda - \frac{B - \beta}{\frac{1}{a}} - l_0$$

$$b' = B - \beta.$$

Für $\lambda - ☋$ zwischen 90° und 180° gehe man mit dem Argument $180° - (\lambda - ☋)$ in die Tafel ein und nehme $\Delta\lambda$ und $\frac{1}{a}$ negativ.

Für $\lambda - ☋$ zwischen 180° und 270° gehe man mit dem Argument $\lambda - ☋ - 180°$ in die Tafel ein und nehme $\frac{1}{a}$ und B negativ.

Für $\lambda - ☋$ zwischen 270° und 360° gehe man mit dem Argument $360° - (\lambda - ☋)$ in die Tafel ein und nehme $\Delta\lambda$ und B negativ.

Julianische Periode.

I. Anzahl der am 0. Januar seit Anfang der Periode verflossenen Tage.

Jahr n. Chr.	0	100	200	300	400	500	600	700	800	900
	17	17	17	18	18	19	19	19	20	20
0	21057	57582	94107	30632	67157	03682	40207	76732	13257	49782
4	22518	59043	95568	32093	68618	05143	41668	78193	14718	51243
8	23979	60504	97029	33554	70079	06604	43129	79654	16179	52704
12	25440	61965	98490	35015	71540	08065	44590	81115	17640	54165
16	26901	63426	99951	36476	73001	09526	46051	82576	19101	55626
20	28362	64887	01412	37937	74462	10987	47512	84037	20562	57087
24	29823	66348	02873	39398	75923	12448	48973	85498	22023	58548
28	31284	67809	04334	40859	77384	13909	50434	86959	23484	60009
32	32745	69270	05795	42320	78845	15370	51895	88420	24945	61470
36	34206	70731	07256	43781	80306	16831	53356	89881	26406	62931
40	35667	72192	08717	45242	81767	18292	54817	91342	27867	64392
44	37128	73653	10178	46703	83228	19753	56278	92803	29328	65853
48	38589	75114	11639	48164	84689	21214	57739	94264	30789	67314
52	40050	76575	13100	49625	86150	22675	59200	95725	32250	68775
56	41511	78036	14561	51086	87611	24136	60661	97186	33711	70236
60	42972	79497	16022	52547	89072	25597	62122	98647	35172	71697
64	44433	80958	17483	54008	90533	27058	63583	00108	36633	73158
68	45894	82419	18944	55469	91994	28519	65044	01569	38094	74619
72	47355	83880	20405	56930	93455	29980	66505	03030	39555	76080
76	48816	85341	21866	58391	94916	31441	67966	04491	41016	77541
80	50277	86802	23327	59852	96377	32902	69427	05952	42477	79002
84	51738	88263	24788	61313	97838	34363	70888	07413	43938	80463
88	53199	89724	26249	62774	99299	35824	72349	08874	45399	81924
92	54660	91185	27710	64235	00760	37285	73810	10335	46860	83385
96	56121	92646	29171	65696	02221	38746	75271	11796	48321	84846
100	57582	94107	30632	67157	03682	40207	76732	13257	49782	86307
	17	17	18	18	19	19	19	20	20	20

Ia. Anzahl der am 0. jeden Monats seit Beginn der Schaltperiode verflossenen Tage.

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0	31	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Julianische Periode.

I. Anzahl der am 0. Januar seit Anfang der Periode verflossenen Tage.

Jahr n. Chr.	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900
	20	21	21	21	22	22	23	23	23	24
0	86307	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]
4	87768	24293	60818	97343	33868	70393	06908	43432	79956	16480
8	89229	25754	62279	98804	35329	71854	08369	44893	81417	17941
12	90690	27215	63740	00265	36790	73315	09830	46354	82878	19402
16	92151	28676	65201	01726	38251	74776	11291	47815	84339	20863
20	93612	30137	66662	03187	39712	76237	12752	49276	85800	22324
24	95073	31598	68123	04648	41173	77698	14213	50737	87261	23785
28	96534	33059	69584	06109	42634	79159	15674	52198	88722	25246
32	97995	34520	71045	07570	44095	80620	17135	53659	90183	26707
36	99456	35981	72506	09031	45556	82081	18596	55120	91644	28168
40	00917	37442	73967	10492	47017	83542	20057	56581	93105	29629
44	02378	38903	75428	11953	48478	85003	21518	58042	94566	31090
48	03839	40364	76889	13414	49939	86464	22979	59503	96027	32551
52	05300	41825	78350	14875	51400	87925	24440	60964	97488	34012
56	06761	43286	79811	16336	52861	89386	25901	62425	98949	35473
60	08222	44747	81272	17797	54322	90847	27362	63886	00410	36934
64	09683	46208	82733	19258	55783	92308	28823	65347	01871	38395
68	11144	47669	84194	20719	57244	93769	30284	66808	03332	39856
72	12605	49130	85655	22180	58705	95230	31745	68269	04793	41317
76	14066	50591	87116	23641	60166	96691	33206	69730	06254	42778
80	15527	52052	88577	25102	61627	98152	34667	71191	07715	44239
84	16988	53513	90038	26563	63088	99603	36128	72652	09176	45700
88	18449	54974	91499	28024	64549	01064	37589	74113	10637	47161
92	19910	56435	92960	29485	66010	02525	39050	75574	12098	48622
96	21371	57896	94421	30946	67471	03986	40511	77035	13559	50083
100	22832	59357	95882	32407	68932	05447	41971[1]	78495[1]	15019[1]	51544
	21	21	21	22	22	23	23	23	24	24

[1]) Die Zahlen geben die am −1. Jan. seit Anfang der Periode verflossenen Tage.

Ia. Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage.

Jahr	Jan. 0	Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
0	0[2]	31[2]	60	91	121	152	182	213	244	274	305	335
1	366	397	425	456	486	517	547	578	609	639	670	700
2	731	762	790	821	851	882	912	943	974	1004	1035	1065
3	1096	1127	1155	1186	1216	1247	1277	1308	1339	1369	1400	1430

Von 1582 Okt. 15 bis 1583 Dez. 31 sind die Zahlen der Tafel Ia um 10 zu verkleinern.

[2]) In den Jahren 1700, 1800, 1900 um 1 zu vergröſsern.

Julianische Periode.

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage.

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1860	2400	410	441	470	501	531	562	592	623	654	684	715	745
1861		776	807	835	866	896	927	957	988	*019	*049	*080	*110
1862	2401	141	172	200	231	261	292	322	353	384	414	445	475
1863		506	537	565	596	626	657	687	718	749	779	810	840
1864		871	902	931	962	992	*023	*053	*084	*115	*145	*176	*206
1865	2402	237	268	296	327	357	388	418	449	480	510	541	571
1866		602	633	661	692	722	753	783	814	845	875	906	936
1867		967	998	*026	*057	*087	*118	*148	*179	*210	*240	*271	*301
1868	2403	332	363	392	423	453	484	514	545	576	606	637	667
1869		698	729	757	788	818	849	879	910	941	971	*002	*032
1870	2404	063	094	122	153	183	214	244	275	306	336	367	397
1871		428	459	487	518	548	579	609	640	671	701	732	762
1872		793	824	853	884	914	945	975	*006	*037	*067	*098	*128
1873	2405	159	190	218	249	279	310	340	371	402	432	463	493
1874		524	555	583	614	644	675	705	736	767	797	828	858
1875		889	920	948	979	*009	*040	*070	*101	*132	*162	*193	*223
1876	2406	254	285	314	345	375	406	436	467	498	528	559	589
1877		620	651	679	710	740	771	801	832	863	893	924	954
1878		985	*016	*044	*075	*105	*136	*166	*197	*228	*258	*289	*319
1879	2407	350	381	409	440	470	501	531	562	593	623	654	684
1880		715	746	775	806	836	867	897	928	959	989	*020	*050
1881	2408	081	112	140	171	201	232	262	293	324	354	385	415
1882		446	477	505	536	566	597	627	658	689	719	750	780
1883		811	842	870	901	931	962	992	*023	*054	*084	*115	*145
1884	2409	176	207	236	267	297	328	358	389	420	450	481	511
1885		542	573	601	632	662	693	723	754	785	815	846	876
1886		907	938	966	997	*027	*058	*088	*119	*150	*180	*211	*241
1887	2410	272	303	331	362	392	423	453	484	515	545	576	606
1888		637	668	697	728	758	789	819	850	881	911	942	972
1889	2411	003	034	062	093	123	154	184	215	246	276	307	337
1890		368	399	427	458	488	519	549	580	611	641	672	702
1891		733	764	792	823	853	884	914	945	976	*006	*037	*067
1892	2412	098	129	158	189	219	250	280	311	342	372	403	433
1893		464	495	523	554	584	615	645	676	707	*737	*768	*798
1894		829	860	888	919	949	980	*010	*041	*072	*102	*133	*163
1895	2413	194	225	253	284	314	345	375	406	437	467	498	528
1896		559	590	619	650	680	711	741	772	803	833	864	894
1897		925	956	984	*015	*045	*076	*106	*137	*168	*198	*229	*259
1898	2414	290	321	349	380	410	441	471	502	533	563	594	624
1899		655	686	714	745	775	806	836	867	898	928	959	989

Julianische Periode.

II. Anzahl der seit Beginn der Periode am 0. jedes Monats im gregorianischen Kalender verflossenen Tage.

Jahr n. Chr.	Januar 0		Febr. 0	März 0	April 0	Mai 0	Juni 0	Juli 0	Aug. 0	Sept. 0	Okt. 0	Nov. 0	Dez. 0
1900	2415	020	051	079	110	140	171	201	232	263	293	324	354
1901		385	416	444	475	505	536	566	597	628	658	689	719
1902		750	781	809	840	870	901	931	962	993	*023	*054	*084
1903	2416	115	146	174	205	235	266	296	327	358	388	419	449
1904		480	511	540	571	601	632	662	693	724	754	785	815
1905		846	877	905	936	966	997	*027	*058	*089	*119	*150	*180
1906	2417	211	242	270	301	331	362	392	423	454	484	515	545
1907		576	607	635	666	696	727	757	788	819	849	880	910
1908		941	972	*001	*032	*062	*093	*123	*154	*185	*215	*246	*276
1909	2418	307	338	366	397	427	458	488	519	550	580	611	641
1910		672	703	731	762	792	823	853	884	915	945	976	*006
1911	2419	037	068	096	127	157	188	218	249	280	310	341	371
1912		402	433	462	493	523	554	584	615	646	676	707	737
1913		768	799	827	858	888	919	949	980	*011	*041	*072	*102
1914	2420	133	164	192	223	253	284	314	345	376	406	437	467
1915		498	529	557	588	618	649	679	710	741	771	802	832
1916		863	894	923	954	984	*015	*045	*076	*107	*137	*168	*198
1917	2421	229	260	288	319	349	380	410	441	472	502	533	563
1918		594	625	653	684	714	745	775	806	837	867	898	928
1919		959	990	*018	*049	*079	*110	*140	*171	*202	*232	*263	*293
1920	2422	324	355	384	415	445	476	506	537	568	598	629	659
1921		690	721	749	780	810	841	871	902	933	963	994	*024
1922	2423	055	086	114	145	175	206	236	267	298	328	359	389
1923		420	451	479	510	540	571	601	632	663	693	724	754
1924		785	816	845	876	906	937	967	998	*029	*059	*090	*120
1925	2424	151	182	210	241	271	302	332	363	394	424	455	485
1926		516	547	575	606	636	667	697	728	759	789	820	850
1927		881	912	940	971	*001	*032	*062	*093	*124	*154	*185	*215
1928	2425	246	277	306	337	367	398	428	459	490	520	551	581
1929		612	643	671	702	732	763	793	824	855	885	916	946
1930		977	*008	*036	*067	*097	*128	*158	*189	*220	*250	*281	*311
1931	2426	342	373	401	432	462	493	523	554	585	615	646	676
1932		707	738	767	798	828	859	889	920	951	981	*012	*042
1933	2427	073	104	132	163	193	224	254	285	316	346	377	407
1934		438	469	497	528	558	589	619	650	681	711	742	772
1935		803	834	862	893	923	954	984	*015	*046	*076	*107	*137
1936	2428	168	199	228	259	289	320	350	381	412	442	473	503
1937		534	565	593	624	654	685	715	746	777	807	838	868
1938		899	930	958	989	*019	*050	*080	*111	*142	*172	*203	*233
1939	2429	264	295	323	354	384	415	445	476	507	537	568	598

s	0^m	1^m	2^m	3^m	s	m s	s	m s
	h m s	h m s	h m s	h m s	s	m s	s	m s
0	0 0 0	6 5 15	12 10 29	18 15 44	0.00	0 0	0.50	3 3
1	0 6 5	6 11 20	12 16 34	18 21 49	0.01	0 4	0.51	3 6
2	0 12 10	6 17 25	12 22 40	18 27 54	0.02	0 7	0.52	3 10
3	0 18 16	6 23 30	12 28 45	18 33 59	0.03	0 11	0.53	3 14
4	0 24 21	6 29 36	12 34 50	18 40 5	0.04	0 15	0.54	3 17
5	0 30 26	6 35 41	12 40 55	18 46 10	0.05	0 18	0.55	3 21
6	0 36 31	6 41 46	12 47 1	18 52 15	0.06	0 22	0.56	3 25
7	0 42 37	6 47 51	12 53 6	18 58 20	0.07	0 26	0.57	3 28
8	0 48 42	6 53 56	12 59 11	19 4 26	0.08	0 29	0.58	3 32
9	0 54 47	7 0 2	13 5 16	19 10 31	0.09	0 33	0.59	3 35
10	1 0 52	7 6 7	13 11 21	19 16 36	0.10	0 37	0.60	3 39
11	1 6 58	7 12 12	13 17 27	19 22 41	0.11	0 40	0.61	3 43
12	1 13 3	7 18 17	13 23 32	19 28 47	0.12	0 44	0.62	3 46
13	1 19 8	7 24 23	13 29 37	19 34 52	0.13	0 47	0.63	3 50
14	1 25 13	7 30 28	13 35 42	19 40 57	0.14	0 51	0.64	3 54
15	1 31 19	7 36 33	13 41 48	19 47 2	0.15	0 55	0.65	3 57
16	1 37 24	7 42 38	13 47 53	19 53 7	0.16	0 58	0.66	4 1
17	1 43 29	7 48 44	13 53 58	19 59 13	0.17	1 2	0.67	4 5
18	1 49 34	7 54 49	14 0 3	20 5 18	0.18	1 6	0.68	4 8
19	1 55 40	8 0 54	14 6 9	20 11 23	0.19	1 9	0.69	4 12
20	2 1 45	8 6 59	14 12 14	20 17 28	0.20	1 13	0.70	4 16
21	2 7 50	8 13 5	14 18 19	20 23 34	0.21	1 17	0.71	4 19
22	2 13 55	8 19 10	14 24 24	20 29 39	0.22	1 20	0.72	4 23
23	2 20 1	8 25 15	14 30 30	20 35 44	0.23	1 24	0.73	4 27
24	2 26 6	8 31 20	14 36 35	20 41 49	0.24	1 28	0.74	4 30
25	2 32 11	8 37 26	14 42 40	20 47 55	0.25	1 31	0.75	4 34
26	2 38 16	8 43 31	14 48 45	20 54 0	0.26	1 35	0.76	4 38
27	2 44 22	8 49 36	14 54 51	21 0 5	0.27	1 39	0.77	4 41
28	2 50 27	8 55 41	15 0 56	21 6 10	0.28	1 42	0.78	4 45
29	2 56 32	9 1 47	15 7 1	21 12 16	0.29	1 46	0.79	4 49
30	3 2 37	9 7 52	15 13 6	21 18 21	0.30	1 50	0.80	4 52
31	3 8 43	9 13 57	15 19 12	21 24 26	0.31	1 53	0.81	4 56
32	3 14 48	9 20 2	15 25 17	21 30 31	0.32	1 57	0.82	4 59
33	3 20 53	9 26 8	15 31 22	21 36 37	0.33	2 1	0.83	5 3
34	3 26 58	9 32 13	15 37 27	21 42 42	0.34	2 4	0.84	5 7
35	3 33 3	9 38 18	15 43 33	21 48 47	0.35	2 8	0.85	5 10
36	3 39 9	9 44 23	15 49 38	21 54 52	0.36	2 11	0.86	5 14
37	3 45 14	9 50 28	15 55 43	22 0 58	0.37	2 15	0.87	5 18
38	3 51 19	9 56 34	16 1 48	22 7 3	0.38	2 19	0.88	5 21
39	3 57 24	10 2 39	16 7 54	22 13 8	0.39	2 22	0.89	5 25
40	4 3 30	10 8 44	16 13 59	22 19 13	0.40	2 26	0.90	5 29
41	4 9 35	10 14 49	16 20 4	22 25 19	0.41	2 30	0.91	5 32
42	4 15 40	10 20 55	16 26 9	22 31 24	0.42	2 33	0.92	5 36
43	4 21 45	10 27 0	16 32 14	22 37 29	0.43	2 37	0.93	5 40
44	4 27 51	10 33 5	16 38 20	22 43 34	0.44	2 41	0.94	5 43
45	4 33 56	10 39 10	16 44 25	22 49 39	0.45	2 44	0.95	5 47
46	4 40 1	10 45 16	16 50 30	22 55 45	0.46	2 48	0.96	5 51
47	4 46 6	10 51 21	16 56 35	23 1 50	0.47	2 52	0.97	5 54
48	4 52 12	10 57 26	17 2 41	23 7 55	0.48	2 55	0.98	5 58
49	4 58 17	11 3 31	17 8 46	23 14 0	0.49	2 59	0.99	6 2
50	5 4 22	11 9 37	17 14 51	23 20 6	0.50	3 3	1.00	6 5
51	5 10 27	11 15 42	17 20 56	23 26 11				
52	5 16 33	11 21 47	17 27 2	23 32 16				
53	5 22 38	11 27 52	17 33 7	23 38 21				
54	5 28 43	11 33 58	17 39 12	23 44 27				
55	5 34 48	11 40 3	17 45 17	23 50 32				
56	5 40 54	11 46 8	17 51 23	23 56 37				
57	5 46 59	11 52 13	17 57 28	24 2 42				
58	5 53 4	11 58 19	18 3 33	24 8 48				
59	5 59 9	12 4 24	18 9 38	24 14 53				

Die Tafelwerte sind zur mittl. Zeit zu addieren.

s	0m (h m s)	1m (h m s)	2m (h m s)	3m (h m s)
0	0 0 0	6 6 15	12 12 29	18 18 44
1	0 6 6	6 12 21	12 18 35	18 24 50
2	0 12 12	6 18 27	12 24 42	18 30 56
3	0 18 19	6 24 33	12 30 48	18 37 2
4	0 24 25	6 30 40	12 36 54	18 43 9
5	0 30 31	6 36 46	12 43 0	18 49 15
6	0 36 37	6 42 52	12 49 7	18 55 21
7	0 42 44	6 48 58	12 55 13	19 1 27
8	0 48 50	6 55 4	13 1 19	19 7 34
9	0 54 56	7 1 11	13 7 25	19 13 40
10	1 1 2	7 7 17	13 13 31	19 19 46
11	1 7 9	7 13 23	13 19 38	19 25 52
12	1 13 15	7 19 29	13 25 44	19 31 59
13	1 19 21	7 25 36	13 31 50	19 38 5
14	1 25 27	7 31 42	13 37 56	19 44 11
15	1 31 34	7 37 48	13 44 3	19 50 17
16	1 37 40	7 43 54	13 50 9	19 56 23
17	1 43 46	7 50 1	13 56 15	20 2 30
18	1 49 52	7 56 7	14 2 21	20 8 36
19	1 55 59	8 2 13	14 8 28	20 14 42
20	2 2 5	8 8 19	14 14 34	20 20 48
21	2 8 11	8 14 26	14 20 40	20 26 55
22	2 14 17	8 20 32	14 26 46	20 33 1
23	2 20 24	8 26 38	14 32 53	20 39 7
24	2 26 30	8 32 44	14 38 59	20 45 13
25	2 32 36	8 38 51	14 45 5	20 51 20
26	2 38 42	8 44 57	14 51 11	20 57 26
27	2 44 49	8 51 3	14 57 18	21 3 32
28	2 50 55	8 57 9	15 3 24	21 9 38
29	2 57 1	9 3 16	15 9 30	21 15 45
30	3 3 7	9 9 22	15 15 36	21 21 51
31	3 9 14	9 15 28	15 21 43	21 27 57
32	3 15 20	9 21 34	15 27 49	21 34 3
33	3 21 26	9 27 41	15 33 55	21 40 10
34	3 27 32	9 33 47	15 40 1	21 46 16
35	3 33 38	9 39 53	15 46 8	21 52 22
36	3 39 45	9 45 59	15 52 14	21 58 28
37	3 45 51	9 52 5	15 58 20	22 4 35
38	3 51 57	9 58 12	16 4 26	22 10 41
39	3 58 3	10 4 18	16 10 33	22 16 47
40	4 4 10	10 10 24	16 16 39	22 22 53
41	4 10 16	10 16 30	16 22 45	22 29 0
42	4 16 22	10 22 37	16 28 51	22 35 6
43	4 22 28	10 28 43	16 34 57	22 41 12
44	4 28 35	10 34 49	16 41 4	22 47 18
45	4 34 41	10 40 55	16 47 10	22 53 24
46	4 40 47	10 47 2	16 53 16	22 59 31
47	4 46 53	10 53 8	16 59 22	23 5 37
48	4 53 0	10 59 14	17 5 29	23 11 43
49	4 59 6	11 5 20	17 11 35	23 17 49
50	5 5 12	11 11 27	17 17 41	23 23 56
51	5 11 18	11 17 33	17 23 47	23 30 2
52	5 17 25	11 23 39	17 29 54	23 36 8
53	5 23 31	11 29 45	17 36 0	23 42 14
54	5 29 37	11 35 52	17 42 6	23 48 21
55	5 35 43	11 41 58	17 48 12	23 54 27
56	5 41 50	11 48 4	17 54 19	24 0 33
57	5 47 56	11 54 10	18 0 25	24 6 39
58	5 54 2	12 0 17	18 6 31	24 12 46
59	6 0 8	12 6 23	18 12 37	24 18 52

s	m s	s	m s
0.00	0 0	0.50	3 3
0.01	0 4	0.51	3 7
0.02	0 7	0.52	3 10
0.03	0 11	0.53	3 14
0.04	0 15	0.54	3 18
0.05	0 18	0.55	3 21
0.06	0 22	0.56	3 25
0.07	0 26	0.57	3 29
0.08	0 29	0.58	3 32
0.09	0 33	0.59	3 36
0.10	0 37	0.60	3 40
0.11	0 40	0.61	3 43
0.12	0 44	0.62	3 47
0.13	0 48	0.63	3 51
0.14	0 51	0.64	3 54
0.15	0 55	0.65	3 58
0.16	0 59	0.66	4 2
0.17	1 2	0.67	4 5
0.18	1 6	0.68	4 9
0.19	1 10	0.69	4 13
0.20	1 13	0.70	4 16
0.21	1 17	0.71	4 20
0.22	1 21	0.72	4 24
0.23	1 24	0.73	4 27
0.24	1 28	0.74	4 31
0.25	1 32	0.75	4 35
0.26	1 35	0.76	4 38
0.27	1 39	0.77	4 42
0.28	1 43	0.78	4 46
0.29	1 46	0.79	4 49
0.30	1 50	0.80	4 53
0.31	1 54	0.81	4 57
0.32	1 57	0.82	5 0
0.33	2 1	0.83	5 4
0.34	2 5	0.84	5 8
0.35	2 8	0.85	5 11
0.36	2 12	0.86	5 15
0.37	2 16	0.87	5 19
0.38	2 19	0.88	5 22
0.39	2 23	0.89	5 26
0.40	2 26	0.90	5 30
0.41	2 30	0.91	5 33
0.42	2 34	0.92	5 37
0.43	2 37	0.93	5 41
0.44	2 41	0.94	5 44
0.45	2 45	0.95	5 48
0.46	2 48	0.96	5 52
0.47	2 52	0.97	5 55
0.48	2 56	0.98	5 59
0.49	2 59	0.99	6 3
0.50	3 3	1.00	6 6

Die Tafelwerte sind von der Sternzeit zu subtrahieren.

Zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt.

Tag	h	m	s	Tag	h	m	s	Tag	h	m	s
0.01	0	14	24	0.36	8	38	24	0.71	17	2	24
0.02	0	28	48	0.37	8	52	48	0.72	17	16	48
0.03	0	43	12	0.38	9	7	12	0.73	17	31	12
0.04	0	57	36	0.39	9	21	36	0.74	17	45	36
0.05	1	12	0	0.40	9	36	0	0.75	18	0	0
0.06	1	26	24	0.41	9	50	24	0.76	18	14	24
0.07	1	40	48	0.42	10	4	48	0.77	18	28	48
0.08	1	55	12	0.43	10	19	12	0.78	18	43	12
0.09	2	9	36	0.44	10	33	36	0.79	18	57	36
0.10	2	24	0	0.45	10	48	0	0.80	19	12	0
0.11	2	38	24	0.46	11	2	24	0.81	19	26	24
0.12	2	52	48	0.47	11	16	48	0.82	19	40	48
0.13	3	7	12	0.48	11	31	12	0.83	19	55	12
0.14	3	21	36	0.49	11	45	36	0.84	20	9	36
0.15	3	36	0	0.50	12	0	0	0.85	20	24	0
0.16	3	50	24	0.51	12	14	24	0.86	20	38	24
0.17	4	4	48	0.52	12	28	48	0.87	20	52	48
0.18	4	19	12	0.53	12	43	12	0.88	21	7	12
0.19	4	33	36	0.54	12	57	36	0.89	21	21	36
0.20	4	48	0	0.55	13	12	0	0.90	21	36	0
0.21	5	2	24	0.56	13	26	24	0.91	21	50	24
0.22	5	16	48	0.57	13	40	48	0.92	22	4	48
0.23	5	31	12	0.58	13	55	12	0.93	22	19	12
0.24	5	45	36	0.59	14	9	36	0.94	22	33	36
0.25	6	0	0	0.60	14	24	0	0.95	22	48	0
0.26	6	14	24	0.61	14	38	24	0.96	23	2	24
0.27	6	28	48	0.62	14	52	48	0.97	23	16	48
0.28	6	43	12	0.63	15	7	12	0.98	23	31	12
0.29	6	57	36	0.64	15	21	36	0.99	23	45	36
0.30	7	12	0	0.65	15	36	0	1.00	24	0	0
0.31	7	26	24	0.66	15	50	24				
0.32	7	40	48	0.67	16	4	48				
0.33	7	55	12	0.68	16	19	12				
0.34	8	9	36	0.69	16	33	36				
0.35	8	24	0	0.70	16	48	0				

Zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt.

Tag	m s	Tag	m s	Tag	m s	Tag	s
0.0001	0 8.64	0.0036	5 11.04	0.0071	10 13.44	0.00001	0.864
02	0 17.28	37	5 19.68	72	10 22.08	2	1.728
03	0 25.92	38	5 28.32	73	10 30.72	3	2.592
04	0 34.56	39	5 36.96	74	10 39.36	4	3.456
05	0 43.20	40	5 45.60	75	10 48.00	5	4.320
06	0 51.84	41	5 54.24	76	10 56.64	6	5.184
07	1 0.48	42	6 2.88	77	11 5.28	7	6.048
08	1 9.12	43	6 11.52	78	11 13.92	8	6.912
09	1 17.76	44	6 20.16	79	11 22.56	9	7.776
10	1 26.40	45	6 28.80	80	11 31.20	10	8.640
11	1 35.04	46	6 37.44	81	11 39.84		
12	1 43.68	47	6 46.08	82	11 48.48		
13	1 52.32	48	6 54.72	83	11 57.12		
14	2 0.96	49	7 3.36	84	12 5.76		
15	2 9.60	50	7 12.00	85	12 14.40		
16	2 18.24	51	7 20.64	86	12 23.04	0.000001	0.086
17	2 26.88	52	7 29.28	87	12 31.68	2	0.173
18	2 35.52	53	7 37.92	88	12 40.32	3	0.259
19	2 44.16	54	7 46.56	89	12 48.96	4	0.346
20	2 52.80	55	7 55.20	90	12 57.60	5	0.432
21	3 1.44	56	8 3.84	91	13 6.24	6	0.518
22	3 10.08	57	8 12.48	92	13 14.88	7	0.605
23	3 18.72	58	8 21.12	93	13 23.52	8	0.691
24	3 27.36	59	8 29.76	94	13 32.16	9	0.778
25	3 36.00	60	8 38.40	95	13 40.80	10	0.864
26	3 44.64	61	8 47.04	96	13 49.44		
27	3 53.28	62	8 55.68	97	13 58.08		
28	4 1.92	63	9 4.32	98	14 6.72		
29	4 10.56	64	9 12.96	99	14 15.36		
30	4 19.20	65	9 21.60	100	14 24.00		
31	4 27.84	66	9 30.24				
32	4 36.48	67	9 38.88				
33	4 45.12	68	9 47.52				
34	4 53.76	69	9 56.16				
35	5 2.40	70	10 4.80				

Hülfsgröfsen zur Berechnung der Präzession nach Newcomb

von den Katalogepochen t_0 bis 1914.0.

$t = 1914.0.$

t_0	$m^s(t-t_0)$	$\log[n^s(t-t_0)]$	$\log[n''(t-t_0)]$
1755	+8^m 8^s.307	2.327473	3.503564
1790	6 20.859	2.219465	3.395556
1800	5 50.155	2.182939	3.359030
1810	5 19.449	2.143058	3.319149
1825	4 33.388	2.075401	3.251492
1830	+4 18.032	2.050286	3.226377
1835	4 2.677	2.023629	3.199720
1836	3 59.606	2.018096	3.194187
1840	3 47.321	1.995230	3.171321
1842	3 41.179	1.983328	3.159419
1845	+3 31.965	1.964840	3.140931
1850	3 16.608	1.932168	3.108259
1855	3 1.251	1.896835	3.072926
1860	2 45.893	1.858373	3.034464
1864	2 33.606	1.824945	3.001036
1865	+2 30.535	1.81617	2.99226
1870	2 15.177	1.76942	2.94551
1872	2 9.032	1.74922	2.92531
1875	1 59.817	1.71703	2.89312
1880	1 44.457	1.65744	2.83353
1885	+1 29.097	1.58835	2.76444
1890	1 13.737	1.50616	2.68225
1895	0 58.376	1.40470	2.58079
1900	0 43.014	1.27207	2.44816
1910	0 12.290	0.72799	1.90408

m und n sind die Newcombschen Konstanten für die Epoche $\frac{1}{2}(t+t_0)$.

Ist α', δ' der genäherte Sternort für die Zeit $\frac{1}{2}(t+t_0)$,

so ist
$$\alpha = \alpha_0 + [m^s(t-t_0)] + [n^s(t-t_0)]\sin\alpha'\operatorname{tg}\delta'$$
$$\delta = \delta_0 + [n''(t-t_0)]\cos\alpha'.$$

Hülfsgrößen zur Übertragung mittlerer Polsternörter

von dem Äquinoktium $t_\circ$ auf 1914.0.

$t = 1914.0.$

$t_\circ$	$\zeta_\circ$	z	Θ
1755	+61 1.38	+61 3.38	+53 8.16
1790	47 35.87	47 37.08	41 26.23
1800	43 45.68	43 46.70	38 5.69
1810	39 55.46	39 56.31	34 45.16
1825	34 10.10	34 10.73	29 44.37
1830	+32 14.97	+32 15.53	+28 4.11
1835	30 19.84	30 20.33	26 23.85
1840	28 24.70	28 25.13	24 43.59
1845	26 29.55	26 29.93	23 3.34
1850	24 34.40	24 34.73	21 23.08
1855	+22 39.25	+22 39.52	+19 42.83
1860	20 44.08	20 44.32	18 2.58
1865	18 48.92	18 49.11	16 22.33
1870	16 53.74	16 53.90	14 42.09
1875	14 58.57	14 58.69	13 1.84
1880	+13 3.38	+13 3.48	+11 21.60
1885	11 8.19	11 8.27	9 41.36
1890	9 13.00	9 13.05	8 1.12
1895	7 17.80	7 17.84	6 20.88
1900	5 22.60	5 22.62	4 40.65
1905	+ 3 27.39	+ 3 27.40	+ 3 0.42
1910	+ 1 32.17	+ 1 32.18	+ 1 20.18
1915	— 0 23.05	— 0 23.04	— 0 20.04

Sind $\alpha_\circ$, $\delta_\circ$ die Koordinaten für $t_\circ$, α, δ jene für t, so hat man:

$$a_\circ = \alpha_\circ + \zeta_\circ$$

$$p = (\text{tang}\, \delta_\circ + \cos a_\circ \,\text{tang}\, \tfrac{1}{2}\Theta) \sin\Theta$$

$$\text{tang}\, \Delta a = \frac{p \sin a_\circ}{1 - p\cos a_\circ}$$

$$\alpha = a_\circ + z + \Delta a$$

$$\text{tang}\, \tfrac{1}{2}(\delta - \delta_\circ) = \cos(a_\circ + \tfrac{1}{2}\Delta a) \sec\tfrac{1}{2}\Delta a \,\text{tang}\, \tfrac{1}{2}\Theta$$

oder, fast immer ausreichend genau:

$$\delta = \delta_\circ + \Theta\cos(a_\circ + \tfrac{1}{2}\Delta a)\sec\tfrac{1}{2}\Delta a.$$

α	0^h, 12^h		1^h, 13^h		2^h, 14^h		3^h, 15^h		4^h, 16^h		5^h, 17^h	
m	$+A_1-$	+D−	$+A_1-$	+D−	$+A_1-$	+D−	$+A_1-$	+D−	$+A_1-$	+D−	$+A_1-$	+D−
	s	″	s	″	s	″	s	″	s	″	s	″
0	0.018	220.50	3.822	212.91	7.366	190.82	10.407	155.72	12.739	110.01	14.204	56.80
1	082	220.50	884	212.66	421	190.34	452	155.04	771	109.18	221	55.87
2	146	220.49	3.946	212.40	476	189.85	497	154.36	802	108.34	237	54.94
3	210	220.48	4.008	212.14	531	189.36	542	153.67	834	107.50	253	54.01
4	275	220.46	069	211.88	586	188.86	587	152.98	865	106.66	268	53.08
5	339	220.44	131	211.61	641	188.36	631	152.29	896	105.82	283	52.15
6	403	220.41	192	211.34	696	187.86	675	151.59	927	104.97	298	51.21
7	467	220.38	254	211.06	751	187.35	719	150.89	958	104.13	313	50.28
8	531	220.35	315	210.78	805	186.85	763	150.18	12.988	103.28	327	49.34
9	595	220.31	377	210.50	859	186.34	807	149.48	13.018	102.43	341	48.40
10	0.659	220.27	4.438	210.21	7.913	185.82	10.850	148.77	13.048	101.57	14.355	47.46
11	723	220.23	499	209.92	7.967	185.30	893	148.06	077	100.72	369	46.52
12	787	220.18	560	209.62	8.021	184.78	936	147.34	106	99.86	382	45.58
13	851	220.13	621	209.32	075	184.25	10.979	146.62	135	99.00	395	44.64
14	915	220.07	682	209.02	128	183.72	11.021	145.90	164	98.14	408	43.70
15	0.979	220.01	743	208.71	181	183.19	064	145.18	192	97.28	421	42.76
16	1.043	219.94	803	208.40	234	182.65	106	144.45	220	96.42	433	41.81
17	107	219.87	864	208.08	287	182.11	148	143.72	248	95.55	445	40.87
18	171	219.79	924	207.76	340	181.56	189	142.99	276	94.68	457	39.92
19	235	219.71	4.984	207.44	393	181.01	231	142.26	303	93.81	469	38.97
20	1.299	219.63	5.045	207.11	8.446	180.46	11.272	141.52	13.330	92.94	14.480	38.02
21	363	219.54	105	206.78	498	179.91	313	140.78	357	92.07	491	37.08
22	427	219.45	165	206.44	550	179.35	354	140.04	384	91.19	502	36.13
23	491	219.36	225	206.10	603	178.79	395	139.30	410	90.32	512	35.18
24	555	219.26	285	205.75	655	178.23	435	138.55	436	89.44	522	34.23
25	618	219.16	344	205.40	707	177.66	475	137.80	462	88.56	532	33.28
26	682	219.05	404	205.05	758	177.09	515	137.05	488	87.68	541	32.33
27	746	218.94	464	204.70	810	176.51	555	136.30	513	86.80	550	31.38
28	809	218.82	523	204.34	861	175.93	595	135.54	538	85.91	559	30.42
29	873	218.70	583	203.98	912	175.35	634	134.78	563	85.02	568	29.47
30	1.937	218.57	5.642	203.61	8.963	174.77	11.673	134.02	13.588	84.13	14.576	28.51
31	2.001	218.44	701	203.24	9.014	174.18	712	133.25	612	83.24	584	27.56
32	064	218.31	760	202.86	064	173.59	751	132.48	636	82.35	592	26.60
33	128	218.17	819	202.48	114	173.00	789	131.71	660	81.46	600	25.65
34	191	218.03	878	202.10	164	172.40	827	130.93	684	80.56	607	24.69
35	254	217.89	937	201.71	214	171.80	865	130.15	707	79.66	614	23.74
36	317	217.74	5.995	201.32	264	171.19	903	129.37	730	78.76	621	22.78
37	381	217.59	6.054	200.93	314	170.58	941	128.59	753	77.86	628	21.83
38	444	217.43	112	200.53	364	169.97	11.978	127.81	775	76.96	634	20.87
39	507	217.27	171	200.13	414	169.36	12.015	127.03	797	76.06	640	19.91
40	2.570	217.10	6.229	199.72	9.463	168.74	12.052	126.25	13.819	75.16	14.646	18.95
41	633	216.93	287	199.31	512	168.12	089	125.46	841	74.26	651	17.99
42	697	216.75	345	198.90	561	167.49	125	124.67	862	73.35	656	17.03
43	760	216.57	402	198.48	610	166.86	161	123.88	883	72.44	661	16.07
44	823	216.39	460	198.06	658	166.23	197	123.08	904	71.53	666	15.11
45	886	216.20	518	197.64	706	165.60	233	122.28	925	70.62	670	14.15
46	2.949	216.01	575	197.21	754	164.96	268	121.48	946	69.71	674	13.19
47	3.012	215.82	633	196.78	802	164.32	303	120.67	966	68.80	678	12.23
48	074	215.62	690	196.34	850	163.68	338	119.86	13.986	67.88	681	11.27
49	137	215.42	747	195.90	897	163.04	373	119.05	14.006	66.97	684	10.31
50	3.199	215.21	6.804	195.46	9.944	162.39	12.407	118.24	14.025	66.05	14.687	9.35
51	262	215.00	861	195.01	9.991	161.74	442	117.43	044	65.13	689	8.39
52	324	214.78	917	194.56	10.038	161.08	476	116.62	063	64.21	691	7.42
53	387	214.56	6.974	194.11	085	160.42	510	115.80	081	63.29	693	6.46
54	449	214.34	7.030	193.65	131	159.76	543	114.98	099	62.37	695	5.50
55	512	214.11	086	193.19	178	159.10	576	114.16	117	61.45	697	4.54
56	574	213.88	142	192.72	224	158.43	609	113.33	135	60.52	698	3.58
57	636	213.64	198	192.25	270	157.76	642	112.50	153	59.59	699	2.62
58	698	213.40	254	191.78	316	157.08	674	111.67	170	58.66	700	1.66
59	760	213.16	310	191.30	362	156.40	707	110.84	187	57.73	700	0.70
60	3.822	212.91	7.366	190.82	10.407	155.72	12.739	110.01	14.204	56.80	14.700	

α	6h, 18h		7h, 19h		8h, 20h		9h, 21h		10h, 22h		11h, 23h	
m	+A1−	−D+	+A1−	−D+	+A1−	−D+	+A1−	−D+	+A1−	−D+	+A1−	−D+
	s	"	s	"	s	"	s	"	s	"	s	"
0	14.700	0.27	14.194	57.33	12.721	110.48	10.382	156.11	7.334	191.09	3.787	213.05
1	700	1.24	177	58.26	689	111.31	336	156.79	279	191.57	725	213.30
2	699	2.20	160	59.19	656	112.14	290	157.46	223	192.04	663	213.54
3	698	3.16	143	60.12	624	112.97	244	158.13	167	192.51	601	213.78
4	697	4.12	125	61.04	591	113.80	198	158.80	111	192.98	539	214.01
5	696	5.09	107	61.97	558	114.62	152	159.46	7.055	193.44	477	214.24
6	694	6.05	089	62.89	524	115.44	105	160.12	6.999	193.90	415	214.47
7	692	7.01	071	63.81	491	116.26	059	160.79	942	194.36	352	214.69
8	690	7.97	052	64.73	457	117.08	10.012	161.45	885	194.81	289	214.91
9	688	8.93	033	65.65	423	117.89	9.965	162.10	828	195.26	227	215.12
10	14.685	9.89	14.014	66.56	12.388	118.70	9.918	162.74	6.771	195.71	3.164	215.33
11	682	10.85	13.994	67.48	353	119.51	871	163.39	714	196.15	102	215.53
12	679	11.81	974	68.39	318	120.32	823	164.04	657	196.59	3.039	215.73
13	676	12.77	954	69.31	283	121.12	775	164.68	600	197.02	2.976	215.93
14	672	13.73	934	70.22	248	121.92	727	165.32	543	197.45	913	216.12
15	668	14.69	914	71.13	213	122.72	679	165.96	486	197.88	850	216.31
16	663	15.65	893	72.04	177	123.52	630	166.59	428	198.30	787	216.50
17	658	16.61	872	72.95	141	124.32	582	167.22	370	198.72	724	216.68
18	653	17.57	851	73.86	104	125.11	533	167.84	312	199.13	661	216.85
19	648	18.53	829	74.77	068	125.90	484	168.46	254	199.54	598	217.02
20	14.642	19.49	13.807	75.67	12.031	126.69	9.435	169.08	6.196	199.95	2.535	217.19
21	636	20.45	785	76.57	11.994	127.48	386	169.70	138	200.35	472	217.35
22	630	21.41	762	77.47	957	128.26	336	170.31	079	200.75	409	217.51
23	624	22.37	740	78.37	920	129.04	287	170.92	6.021	201.15	346	217.67
24	617	23.32	717	79.27	882	129.82	237	171.53	5.962	201.54	282	217.82
25	610	24.28	694	80.17	844	130.60	187	172.13	903	201.93	219	217.97
26	603	25.23	670	81.06	806	131.37	137	172.73	845	202.31	155	218.11
27	596	26.19	647	81.96	768	132.14	087	173.33	786	202.69	092	218.25
28	588	27.14	623	82.85	729	132.91	9.036	173.92	727	203.07	2.028	218.39
29	580	28.10	599	83.74	690	133.68	8.985	174.51	668	203.44	1.965	218.52
30	14.572	29.05	13.574	84.63	11.651	134.44	8.934	175.09	5.609	203.81	1.901	218.65
31	563	30.01	549	85.52	612	135.20	883	175.68	550	204.18	838	218.77
32	554	30.96	524	86.40	572	135.96	832	176.26	490	204.54	774	218.89
33	545	31.91	499	87.29	533	136.72	780	176.83	431	204.90	711	219.00
34	536	32.86	473	88.17	493	137.47	728	177.40	371	205.25	647	219.11
35	526	33.81	448	89.05	453	138.22	676	177.97	311	205.60	583	219.22
36	516	34.76	422	89.93	413	138.97	624	178.54	251	205.94	519	219.32
37	506	35.71	396	90.81	372	139.72	572	179.11	191	206.28	455	219.42
38	495	36.66	369	91.69	331	140.46	520	179.67	131	206.62	391	219.51
39	484	37.61	342	92.57	290	141.20	468	180.23	071	206.95	327	219.60
40	14.473	38.56	13.315	93.44	11.249	141.94	8.416	180.78	5.011	207.28	1.263	219.68
41	462	39.51	288	94.31	208	142.67	364	181.33	4.951	207.61	199	219.76
42	450	40.45	260	95.17	166	143.40	311	181.87	890	207.93	135	219.84
43	438	41.40	232	96.04	124	144.13	258	182.42	830	208.25	071	219.91
44	426	42.34	204	96.90	082	144.86	205	182.96	769	208.57	1.007	219.98
45	414	43.28	176	97.76	11.040	145.58	152	183.49	708	208.88	0.943	220.04
46	401	44.22	147	98.62	10.998	146.30	098	184.02	647	209.19	879	220.10
47	388	45.16	118	99.48	955	147.02	8.045	184.55	586	209.49	815	220.16
48	375	46.10	089	100.34	912	147.74	7.991	185.07	525	209.79	751	220.21
49	361	47.05	060	101.20	869	148.45	937	185.59	464	210.08	687	220.26
50	14.347	47.99	13.030	102.05	10.825	149.16	7.883	186.10	4.403	210.37	0.623	220.30
51	333	48.93	13.001	102.90	782	149.87	829	186.62	342	210.66	559	220.34
52	319	49.87	12.971	103.76	738	150.58	774	187.13	281	210.94	495	220.37
53	305	50.81	941	104.61	694	151.28	719	187.64	220	211.22	431	220.40
54	290	51.74	910	105.45	650	151.98	665	188.14	158	211.49	366	220.43
55	275	52.68	879	106.30	606	152.68	610	188.64	096	211.76	302	220.45
56	259	53.61	848	107.14	562	153.37	555	189.14	4.034	212.03	238	220.47
57	243	54.54	817	107.98	517	154.06	500	189.63	3.973	212.29	174	220.48
58	227	55.47	785	108.81	472	154.75	445	190.12	911	212.55	110	220.49
59	211	56.40	753	109.65	427	155.43	389	190.61	849	212.80	0.046	220.50
60	14.194	57.33	12.721	110.48	10.382	156.11	7.334	191.09	3.787	213.05		220.50

Übertragung von Sternörtern vom mittleren Äquinoktium 1914.0 auf das Normal-Äquinoktium 1925.0 (Fortsetzung).

α	A	A_2	D_1	α	α	A	A_2	D_1	α
h m	s	s	″	h m	h m	s	s	″	h m
0 0	+33.800	+0.0000	−0.000	12 0	6 0	+33.800	−0.0000	−0.118	18 0
10	800	07	000	10	10	799	07	118	10
20	800	14	001	20	20	799	14	117	20
30	801	21	002	30	30	799	21	116	30
40	801	27	004	40	40	798	27	114	40
50	801	33	006	50	50	798	33	112	50
1 0	+33.802	+0.0039	−0.008	13 0	7 0	+33.798	0.0039	−0.110	19 0
10	802	45	011	10	10	797	45	107	10
20	802	51	014	20	20	797	51	104	20
30	802	56	017	30	30	797	56	101	30
40	803	60	021	40	40	797	60	097	40
50	803	64	025	50	50	796	64	093	50
2 0	+33.803	+0.0068	−0.029	14 0	8 0	+33.796	−0.0068	−0.089	20 0
10	803	71	034	10	10	796	71	084	10
20	803	74	039	20	20	796	74	079	20
30	803	76	044	30	30	796	76	074	30
40	804	77	049	40	40	796	77	069	40
50	804	78	054	50	50	796	78	064	50
3 0	+33.804	+0.0079	−0.059	15 0	9 0	+33.796	−0.0079	−0.059	21 0
10	804	78	064	10	10	796	78	054	10
20	804	77	069	20	20	796	77	049	20
30	803	76	074	30	30	796	76	044	30
40	803	74	079	40	40	796	74	039	40
50	803	71	084	50	50	796	71	034	50
4 0	+33.803	+0.0068	−0.089	16 0	10 0	+33.796	−0.0068	−0.029	22 0
10	803	64	093	10	10	796	64	025	10
20	803	60	097	20	20	797	60	021	20
30	802	55	101	30	30	797	55	017	30
40	802	50	104	40	40	797	50	014	40
50	802	45	107	50	50	797	45	011	50
5 0	+33.802	+0.0039	−0.110	17 0	11 0	+33.798	−0.0039	−0.008	23 0
10	801	33	112	10	10	798	33	006	10
20	801	27	114	20	20	798	27	004	20
30	801	21	116	30	30	799	21	002	30
40	800	14	117	40	40	799	14	001	40
50	800	07	118	50	50	799	07	000	50
6 0	+33.800	+0.0000	−0.118	18 0	12 0	+33.800	−0.0000	−0.000	24 0

$$\alpha_{1925} = \alpha_{1914} + A + A_1 \operatorname{tg} \delta_{1914} + A_2 \operatorname{tg}^2 \delta_{1914}$$
$$\delta_{1925} = \delta_{1914} + D + D_1 \operatorname{tg} \delta_{1914}$$

A_1 und D sind in der Tafel (S. 466/67) mit dem Argument α_{1914} zu entnehmen; für die Werte von α zwischen 0^h und 12^h gelten die Vorzeichen zur Linken, für die Werte von α zwischen 12^h und 24^h die Vorzeichen zur Rechten.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Abbadia	69	+43 22 52.2	+1 0 34.9	+ 9.95	+43 11 22.8	9.999322
Abo	—	+60 26 56.8	−0 35 31.50	− 5.84	+60 17 3.1	9.998902
Adelaide	43	−34 55 38.5	−8 20 45.62	−82.26	−34 44 50.9	9.999529
Albany (N. Stw.)[1]	40	+42 39 12.6	+5 48 41.16	+57.28	+42 27 44.5	9.999339
Alfred Centre N.Y.	556	+42 15 19.8	+6 4 41.93	+59.91	+42 3 52.5	9.999384
Algier (N. Stw.)[2] .	342	+36 47 50	+0 41 26.42	+ 6.81	+36 36 48	9.999505
Allegheny (N. Stw.)	370	+40 28 58.1	+6 13 40.19	+61.39	+40 17 36.3	9.999416
Allegheny (A. Stw.)	349	+40 27 41.6	+6 13 37.77	+61.38	+40 16 20.0	9.999415
Altenburg[3] . .	229	+50 58 20	+0 3 50.64	+ 0.63	+50 47 4	9.999141
Altona Mer.-Kreis[4]	31	+53 32 45.3	+0 13 48.61	+ 2.27	+53 21 44.5	9.999065
Amherst (Neue Stw.)	110	+42 21 56.5	+5 43 40.78	+56.46	+42 10 29.0	9.999341
Amherst (Alte Stw.)	122	+42 22 17.1	+5 43 39.52	+56.46	+42 10 49.6	9.999351
Annapolis	—	+38 58 53.5	+5 59 31.33	+59.06	+38 47 38.5	9.999428
Ann Arbor . . .	285	+42 16 48.0	+6 28 30.03	+63.82	+42 5 20.7	9.999364
Arcetri Zentr. d. St.[5]	186	+43 45 14.4	+0 8 33.50	+ 1.41	+43 33 44.5	9.999321
Arequipa	2451	−16 22 28.0	+5 39 46.53	+55.82	−16 16 15.4	0.000053
Armagh	61	+54 21 12.7	+1 20 10.2	+13.17	+54 10 17.8	9.999047
Athen	—	+37 58 19.7	−0 41 18.12	− 6.78	+37 47 10.3	9.999453
Bamberg (Remeis' St.)	299	+49 53 6.0	+0 10 1.23	+ 1.65	+49 41 45.0	9.999174
Barcelona[6] . . .	—	+41 24 2	+0 44 59.7	+ 7.39	+41 12 37	9.999368
Beloit	—	+42 30 9	+6 49 42.2	+67.31	+42 18 41	9.999340
Bergen	—	+60 23 54	+0 32 22.07	+ 5.32	+60 14 0	9.998903
Berkeley	97	+37 52 23.6	+9 2 37.56	+89.14	+37 41 14.7	9.999462
Berlin Zentr. d. St.[7]	47	+52 30 16.7	0 0 0.00	0.00	+52 19 9.0	9.999091
Berlin (Urania) . .	—	+52 31 30.7	+0 0 7.40	+ 0.02	+52 20 23.2	9.999088
Bern	573	+46 57 8.7	+0 23 49.25	+ 3.91	+46 45 39.5	9.999266
Besançon	312	+47 14 59.0	+0 29 37.7	+ 4.87	+47 3 30.3	9.999241
Bethlehem[8] . .	—	+40 36 23.5	+5 55 6.74	+58.34	+40 25 1.3	9.999388
Birr Castle[9] . .	—	+53 5 47	+1 25 15.7	+14.00	+52 54 43	9.999073
Bogota	2700	+ 4 35 48	+5 50 34	+57.59	+ 4 33 58	0.000175
Bologna Zentr. d. Stw.	—	+44 29 52.8	+0 8 10.32	+ 1.34	+44 18 22.3	9.999289
Bombay (Colaba) .	19	+18 53 36.2	−3 57 40.90	−39.05	+18 46 34.1	9.999850
Bonn Zentr. d. Stw. .	62	+50 43 45.0	+0 25 11.62	+ 4.14	+50 32 27.7	9.999136
Bordeaux (Floirac)	73	+44 50 7.2	+0 55 40.30	+ 9.14	+44 38 36.6	9.999286
Boston (University)	—	+42 21 32.5	+5 37 49.8	+55.50	+42 10 5.0	9.999344
Bothkamp[10] . .	32	+54 12 9.6	+0 13 3.6	+ 2.15	+54 1 13.6	9.999048

[1]) Dudley Observatory, seit Juni 1893. Alte Sternwarte 37″.0 nördlich, 7ˢ.10 östlich. — [2]) Alte Sternwarte 3′.8 südlich, 8ˢ östlich. — [3]) Fr. Krüger. — [4]) 1873 nach Kiel verlegt. — [5]) Seit Oktober 1872, früher in Florenz. — [6]) J. Comas Solá. — [7]) Seit 1835. Alte Sternwarte 56″.4 nördlich 0ˢ.39 westlich. — [8]) Sayre Observatory, auch South-Bethlehem. — [9]) Earl of Rosse. — [10]) Herr von Bülow.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Bremen (Olbers' Stw.)	—	+53 4 36	+0 18 20	+ 3.01	+52 53 32	9.999074
Breslau Zentr. d. Stw.	147	+51 6 56.5	−0 14 33.92	− 2.39	+50 55 41.1	9.999132
Breteuil Zentr.[1]	66	+48 49 48	+0 44 41.9	+ 7.34	+48 38 23	9.999184
Brisbane	—	−27 28 0	−9 18 31.6	−91.75	−27 18 36	9.999693
Brüssel (Alte St.) Pass.Instr.	56	+50 51 10.7	+0 36 6.09	+ 5.93	+50 39 54.0	9.999133
Brüssel (Uccle)	102	+50 47 55.5	+0 36 7.9	+ 5.94	+50 36 38.5	9.999137
Budapest[2]	110	+47 28 49	−0 22 38.9	− 3.73	+47 17 21	9.999221
Bukarest (Mil. Geogr. Inst.)	85	+44 24 34.2	−0 50 52.21	− 8.36	+44 13 3.7	9.999292
Cambridge Engl.	28	+52 12 51.6	+0 53 12.05	+ 8.74	+52 1 42.2	9.999097
Cambridge Mass.[3]	24	+42 22 47.6	+5 38 5.82	+55.54	+42 11 20.1	9.999345
Cap d. gut. Hoffnung	16	−33 56 3.2	−0 20 19.94	− 3.34	−33 45 24.3	9.999551
Catania	60	+37 30 13.3	−0 6 45.8	− 1.11	+37 19 6.7	9.999468
Chapultepec (Alte Stw.)[4]	—	+19 25 17.5	+7 30 13.08	+73.96	+19 18 5.5	9.999841
Charkow	138	+50 0 10.2	−1 31 19.8	−15.01	+49 48 49.7	9.999159
Charlottesville[5]	250	+38 2 1.2	+6 7 40.06	+60.40	+37 50 51.4	9.999468
Chicago (Alte Stw.)[6]	—	+41 50 1.0	+6 44 1.62	+66.37	+41 38 34.8	9.999357
Christiania Mer.-Kreis	25	+59 54 43.7	+0 10 41.29	+ 1.76	+59 44 43.5	9.998916
Cincinnati (Alte Stw.)	—	+39 6 26.5	+6 31 33.89	+64.32	+38 55 10.9	9.999425
Cincinnati (Neue Stw.)[7]	263	+39 8 19.8	+6 31 16.13	+64.27	+38 57 4.0	9.999442
Cleveland (Case Obs.)	212	+41 30 14.5	+6 20 0.66	+62.43	+41 18 49.3	9.999379
Clinton (Litchfield Obs.)	276	+43 3 16.5	+5 55 12.28	+58.35	+42 51 47.6	9.999345
Coimbra	99	+40 12 24.5	+1 27 17.9	+14.34	+40 1 3.9	9.999404
Columbia Missouri[8]	225	+38 56 51.7	+7 2 53.17	+69.47	+38 45 36.9	9.999444
Cordoba	439	−31 25 15.5	+5 10 23.0	+50.99	−31 15 2.0	9.999638
Danzig	3	+54 21 18.0	−0 21 4.7	− 3.46	+54 10 23.1	9.999043
Denver[9]	1650	+39 40 36.4	+7 53 22.47	+77.76	+39 29 18.1	9.999523
Dorpat Mer.-Kreis	73	+58 22 47.1	−0 53 18.43	− 8.76	+58 12 29.5	9.998953
Dresden (Neue Stw.)[10]	121	+51 2 16.8	−0 1 19.94	− 0.22	+50 51 1.0	9.999132
Dresden (Mathem. Salon)	—	+51 3 14.7	−0 1 21.03	− 0.22	+50 51 59.0	9.999124
Dublin (Dunsink Obs.)	86	+53 23 13.1	+1 18 55.9	+12.97	+53 12 11.2	9.999072
Düsseldorf (Bilk)	46	+51 12 25.0	+0 26 32.11	+ 4.36	+51 1 10.0	9.999123
Dunecht[11]	141	+57 9 36	+1 3 15	+10.39	+56 59 6	9.998986
Durham	—	+54 46 6.2	+0 59 54.5	+ 9.84	+54 35 14.6	9.999033
Edinburg	106	+55 57 23.2	+1 6 17.85	+10.89	+55 46 41.7	9.999012
Edinburg (Blackf. Hill)	134	+55 55 28.0	+1 6 18.8	+10.89	+55 44 46.2	9.999014
Evanston (Dearborn Obs.)	—	+42 3 33.4	+6 44 17.1	+66.41	+41 52 6.6	9.999351

[1]) Bureau international des Poids et Mesures. — [2]) Observ. der Kgl. ungar. Universität. — [3]) Harvard College Observatory. — [4]) 1883 nach Tacubaya verlegt. — [5]) Leander Mc. Cormick Obs. der University of Virginia. — [6]) 1887 geschlossen. — [7]) Mount Lookout, seit 1873. — [8]) Laws Observatory. — [9]) University Park, Chamberlin Observatory. — [10]) v. Engelhardt; Herbst 1897 aufgelöst. Alte Sternwarte 14″.2 nördlich, 1s.57 westlich. — [11]) Earl of Crawford.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Flagstaff (Lowell Obs.)	2210	+35 12 30.5	+8 20 19.4	+82.19	+35 1 40.5	9.999671
Florenz (Alte Sternw.)[1]	73	+43 46 4.1	+0 8 33.50	+ 1.40	+43 34 34.2	9.999313
Florenz (Mil. Geogr. Inst.)	—	+43 46 49.3	+0 8 32.28	+ 1.40	+43 35 19.4	9.999308
Genf Mer.-Kreis	407	+46 11 59.1	+0 28 58.19	+ 4.76	+46 0 29.0	9.999274
Genua (Mar. Stw.) Mer.-Kr.	—	+44 25 9.3	+0 17 53.52	+ 2.94	+44 13 38.8	9.999291
Georgetown D. C.	46	+38 54 26.2	+6 1 53.13	+59.45	+38 43 11.6	9.999433
Glasgow Schottl.	—	+55 52 42.6	+1 10 45.35	+11.62	+55 42 0.4	9.999007
Glasgow Missouri	228	+39 13 45.6	+7 4 52.86	+69.80	+39 2 29.4	9.999438
Göttingen Mer.-Kreis	161	+51 31 48.2	+0 13 48.58	+ 2.27	+51 20 34.9	9.999123
Gohlis[2]	108	+51 21 35.0	+0 4 5.26	+ 0.67	+51 10 20.8	9.999123
Gotha (Neue Stw.) Zentr. d. St.[3]	320	+50 56 37.5	+0 10 44.28	+ 1.76	+50 45 21.2	9.999149
Graz	375	+47 4 37.2	−0 8 13	− 1.35	+46 53 8.2	9.999250
Greenwich Transit Circle	47	+51 28 38.1	+0 53 34.80	+ 8.80	+51 17 24.5	9.999116
Grignon	—	+47 33 42	+0 35 57	+ 5.91	+47 22 14	9.999212
Groningen	4	+53 13 19.1	+0 27 19.6	+ 4.49	+53 2 16.1	9.999070
Hamburg (Alte Stw.) M.-Kr.	25	+53 33 5.2	+0 13 41.20	+ 2.25	+53 22 4.4	9.999064
Hamburg (Bergedorf) M.-Kr.	40	+53 28 46.0	+0 12 37.06	+ 2.07	+53 17 44.7	9.999067
Hamburg (D. Seewarte)	30	+53 32 51.8	+0 13 41.38	+ 2.25	+53 21 51.0	9.999065
Hanover N. H.	183	+43 42 15.2	+5 42 42.80	+56.30	+43 30 45.4	9.999322
Harrow (Col. Tupmann)	66	+51 34 47.4	+0 54 54.7	+ 9.19	+51 23 33.5	9.999115
Hastings on Huds.[4]	—	+40 59 25	+5 49 4.5	+57.35	+40 48 1	9.999378
Haverford	—	+40 0 36.5	+5 54 47.59	+58.28	+39 49 16.7	9.999403
Heidelberg (Wolfs Stw.)	—	+49 24 35	+0 18 46.4	+ 3.08	+49 13 12	9.999165
Heidelberg (Königst.) M.-Kr.	570	+49 23 54.6	+0 18 41.67	+ 3.07	+49 12 31.7	9.999204
St. Helena	210	−15 55 26	+1 16 27.0	+12.56	−15 49 23	9.999906
Helsingfors Mer.-Kreis	38	+60 9 42.6	−0 46 14.30	− 7.60	+59 59 45.4	9.998912
Helwan	119	+29 51 33	−1 11 47	−11.79	+29 41 38	9.999650
Herény (von Gothard)	229	+47 15 47.4	−0 12 49.8	− 2.11	+47 4 18.7	9.999235
Hongkong	—	+22 18 13.2	−6 43 7.1	−66.22	+22 10 9.4	9.999792
Hudson	—	+41 14 42.6	+6 19 18.99	+62.31	+41 3 18.2	9.999372
Ipswich (Orwell Park)[5]	—	+52 0 33	+0 48 39.0	+ 7.99	+51 49 22	9.999100
Jena (Univers.) Zentr. d. St.	156	+50 55 35.6	+0 7 14.58	+ 1.19	+50 44 19.2	9.999137
Jena (Winkler)	174	+50 56 15.7	+0 7 14.07	+ 1.19	+50 44 59.4	9.999139
Johannesburg	1806	−26 10 55.0	−0 58 43.20	− 9.65	−26 1 49.2	9.999842
Kairo	—	+30 4 38.2	−1 11 34.00	−11.76	+29 54 40.2	9.999638
Kalocsa[6]	110	+46 31 42	−0 22 19.4	− 3.67	+46 20 12	9.999245

[1]) 1872 nach Arcetri verlegt. — [2]) Winkler, August 1887 nach Jena verlegt. — [3]) Seit 1853, früher Seeberg. — [4]) Dr. Draper. — [5]) Col. Tomline. — [6]) Erzbischöfl. Haynaldsche Sternwarte.

Name	Seehöhe (m)	Geogr. Breite (° ′ ″)	Länge von Berlin + westlich (h m s)	Korr. der Sternzeit (s)	Geoz. Breite (° ′ ″)	Log. ρ incl. Seehöhe
Karlsruhe[1]	110	+49 0 29.6	+0 19 59.40	+ 3.28	+48 49 5.4	9.999183
Kasan (Univers.)	79	+55 47 24.3	−2 22 54.13	−23.48	+55 36 41.3	9.999014
Kasan (Engelhardt)	98	+55 50 20.0	−2 21 41.6	−23.28	+55 39 37.4	9.999014
Kew	10	+51 28 6	+0 54 49.9	+ 9.01	+51 16 52	9.999115
Kiel Neuer Mer.-Kreis	52	+54 20 27.6	+0 12 59.35	+ 2.13	+54 9 32.6	9.999047
Kiel Alter Mer.-Kreis	47	+54 20 28.5	+0 12 59.23	+ 2.13	+54 9 33.5	9.999047
Kiew Mer.-Kreis	179	+50 27 12.5	−1 8 25.77	−11.24	+50 15 53.9	9.999151
Kis Kartal[2]	—	+47 41 54.8	−0 24 36.8	− 4.04	+47 30 27.0	9.999208
Königsberg Reps. M.-Kr.[3]	22	+54 42 50.6	−0 28 24.18	− 4.67	+54 31 58.6	9.999036
Kopenhagen (Neue Stw.)[4]	14	+55 41 12.6	+0 3 16.11	+ 0.54	+55 30 28.7	9.999012
Kopenhagen (Urania-St.)	10	+55 41 19.2	+0 3 25.69	+ 0.56	+55 30 35.2	9.999012
Krakau Mer.-Kreis	221	+50 3 51.9	−0 26 15.48	− 4.31	+49 52 31.6	9.999164
Kremsmünster Mer.-Kr.	384	+48 3 23.1	−0 2 56.78	− 0.48	+47 51 56.1	9.999225
Landstuhl (Fauth)	385	+49 24 42.5	+0 23 18.45	+ 3.83	+49 13 19.7	9.999191
La Plata	—	−34 54 30	+4 45 11.9	+46.85	−34 43 43	9.999527
Leiden (Neue Stw.) Mer.-Kr.[5]	6	+52 9 20.2	+0 35 38.65	+ 5.86	+51 58 10.4	9.999097
Leipzig (Neue Stw.) Zentr.[6]	119	+51 20 5.9	+0 4 0.87	+ 0.66	+51 8 52.0	9.999125
Lemberg	338	+49 50 11	−0 42 29	− 6.98	+49 38 50	9.999177
Leyton[7]	—	+51 34 34.0	+0 53 35.7	+ 8.80	+51 23 21.0	9.999111
Lissabon (Tupada)	94	+38 42 30.5	+1 30 19.58	+14.84	+38 31 16.9	9.999441
Lissabon (Mar. Stw.)	—	+38 42 17.6	+1 30 8.4	+14.81	+38 31 4.0	9.999435
Liverpool (Neue Stw.)[8]	61	+53 24 3.8	+1 5 52.0	+10.82	+53 13 2.0	9.999070
London[9]	—	+51 31 30	+0 54 11.9	+ 8.90	+51 20 17	9.999112
Lourenço Marques	59	−25 58 4.9	−1 16 47.83	−12.62	−25 49 2.3	9.999727
Lübeck (Navig.-Sch.)	19	+53 51 31.1	+0 10 49.2	+ 1.78	+53 40 32.5	9.999056
Lund Zentr. d. Stw.	34	+55 41 52.0	+0 0 49.83	+ 0.14	+55 31 8.3	9.999013
Lussinpiccolo[10]	—	+44 32 11	−0 4 17.5	− 0.70	+44 20 40	9.999288
Lüttich Ougrée	128	+50 37 6	+0 31 23	+ 5.15	+50 25 48	9.999144
Lyon	299	+45 41 40.8	+0 34 26.8	+ 5.66	+45 30 10.3	9.999279
Madison (Washburn Obs.)	293	+43 4 36.7	+6 51 12.70	+67.55	+42 53 7.8	9.999345
Madras	7	+13 4 8.1	−4 27 24.53	−43.93	+12 59 4.8	9.999926
Madrid Zentr. d. Stw.	655	+40 24 29.7	+1 8 19.89	+11.23	+40 13 8.3	9.999437
Mailand Gr. Turm	120	+45 27 59.4	+0 16 48.91	+ 2.76	+45 16 30.1	9.999273
Manila	—	+14 35 25	−7 10 15	−70.68	+14 29 49	9.999909
Mannheim Zentr. d. Stw.	98	+49 29 11.0	+0 19 44.38	+ 3.24	+49 17 48.5	9.999170
Marburg	248	+50 48 46.9	+0 18 29.9	+ 3.04	+50 37 30.0	9.999147

[1]) 1896 nach Heidelberg verlegt. — [2]) Baron von Podmaniczky. — [3]) Nach 1898, vor 1898 $0^s.01$ westlich. — [4]) Seit 1861 Nov. 11. Alte Sternwarte $20''.3$ südlich, $0^s.03$ westlich. — [5]) Seit 1860. Alte Sternwarte $8''.0$ nördlich, $0^s.42$ östlich. — [6]) Seit 1861. Alte Sternwarte $14''.2$ nördlich, $4^s.00$ westlich. — [7]) J. Gurney Barclay. — [8]) Alte Sternwarte $44''.0$ nördlich, $17^s.1$ östlich. — [9]) Regents Park, G. Bishop 1836—61. — [10]) Manora-Sternwarte.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
Mare Island Calif.	18m	+38° 5′ 55″.8	+9h 2m 40s.39	+89s.15	+37° 54′ 45″.6	9.999451
Markree (Col. Cooper)	45	+54 10 31.7	+1 27 23.2	+14.36	+53 59 35.5	9.999050
Marseille (N. St.) M.-Kr.[1]	75	+43 18 19.1	+0 32 0.24	+ 5.26	+43 6 49.8	9.999325
Melbourne	28	−37 49 53.1	−8 46 19.37	−86.46	−37 38 44.5	9.999458
Meudon	—	+48 48 18	+0 44 39.3	+ 7.34	+48 36 53	9.999180
Mexico	2277	+19 26 1.3	+7 30 1.51	+73.93	+19 18 49.0	9.999995
Middletown Conn.	—	+41 33 16.0	+5 44 12.0	+56.54	+41 21 50.6	9.999364
Modena	63	+44 38 52.8	+0 9 52.0	+ 1.62	+44 27 22.2	9.999289
Moncalieri	—	+44 59 51	+0 22 46	+ 3.74	+44 48 20	9.999277
Montreal	20	+45 30 17.0	+5 47 53.45	+57.15	+45 18 46.4	9.999265
Mt. Hamilton (Lick) Mkr.	1283	+37 20 25.6	+9 0 9.65	+88.74	+37 9 20.1	9.999556
Mt. Wilson Calif.	1731	+34 12 59.5	+8 45 49.13	+86.27	+34 2 18.0	9.999661
Moskau Mer.-Kr.	142	+55 45 19.5	−1 36 42.23	−15.89	+55 34 36.2	9.999019
Mundenheim[2])	—	+49 27 30	+0 19 51	+ 3.26	+49 16 7	9.999164
München West-Kuppel	529	+48 8 45.5	+0 7 8.78	+ 1.17	+47 57 18.8	9.999233
Nashville (Vanderbilt Obs.)	—	+36 8 58.2	+6 40 47.61	+65.84	+35 58 0.9	9.999497
Natal	79	−29 50 46.6	−1 10 26.38	−11.57	−29 40 51.3	9.999648
Neapel (Capo di M.)	164	+40 51 45.4	−0 3 26.8	− 0.57	+40 40 22.3	9.999392
Neuchâtel	488	+46 59 50.6	+0 25 45.05	+ 4.23	+46 48 21.5	9.999259
New Haven (Neue Stw.)[3])	40	+41 19 22.3	+5 45 15.33	+56.72	+41 7 57.6	9.999372
New York (Rutherfurd)	—	+40 43 48.5	+5 49 31.46	+57.42	+40 32 25.8	9.999384
New York (Columb. C.)	—	+40 45 23.1	+5 49 28.53	+57.41	+40 34 0.3	9.999384
Nikolajew	55	+46 58 22.1	−1 14 18.96	−12.21	+46 46 51.4	9.999230
Nizza Kl. Mer.-Kr.[4])	378	+43 43 16.9	+0 24 22.65	+ 4.01	+43 31 47.0	9.999335
Northfield (Goodsell Obs.)	286	+44 27 41.6	+7 6 10.8	+70.01	+44 16 10.6	9.999310
Oakland Californ.[5])	11	+37 48 5	+9 2 41.1	+89.15	+37 36 57	9.999458
Odessa (Univ.-Stw.) Mer.-Kr.	55	+46 28 36.2	−1 9 27.25	−11.41	+46 17 6.3	9.999243
Odessa (Filiale Pulkowa)	—	+46 28 36.0	−1 9 27.39	−11.41	+46 17 6.1	9.999239
Ogden Utah	—	+41 13 8.6	+8 21 34.45	+82.40	+41 1 44.3	9.999372
O-Gyalla (Neue Stw.)[6])	—	+47 52 27.3	−0 19 10.69	− 3.15	+47 40 59.9	9.999204
Olmütz[7])	—	+49 35 43	−0 15 33	− 2.55	+49 24 21	9.999160
Ottawa	84	+45 23 37.3	+5 56 26.73	+58.55	+45 12 6.7	9.999277
Oxford (Radcl. Obs.)	65	+51 45 35.4	+0 58 37.4	+ 9.63	+51 34 23.4	9.999111
Oxford (Univers.)	64	+51 45 34.2	+0 58 35.2	+ 9.62	+51 34 22.2	9.999110
Oxford Mississippi	—	+34 22 12.6	+6 51 41.9	+67.63	+34 11 29.7	9.999540
Padua Mauer-Quadr.	31	+45 24 1.0	+0 6 5.65	+ 1.00	+45 12 30.4	9.999268

[1]) Seit 1866. Alte Sternwarte 30″.1 südlich, 6s.2 westlich; 29m. — [2]) Dr. Max Mündler. — [3]) Yale University. Alte Sternwarte 45″.8 südlich, 1s.58 westlich. — [4]) Herr R. Bischofsheim. — [5]) Chabot Observatory. — [6]) Dr. von Konkoly. — [7]) Herr von Unkrechtsberg.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Palermo	76	+38 6 44.0	+0 0 9.0	+ 0.02	+37 55 33.8	9.999454
Paramatta	—	−33 48 49.8	−9 10 25.4	−90.42	−33 38 12.0	9.999553
Paris (Obs. nat.) Mer. Cassini	59	+48 50 11.2	+0 44 13.86	+ 7.27	+48 38 46.4	9.999183
Paris (Montsouris) westl. Mer.	—	+48 49 18.0	+0 44 14.10	+ 7.27	+48 37 53.2	9.999180
Parma (Univ.-Stw.) Turm.	—	+44 48 4.7	+0 12 16.01	+ 2.41	+44 36 34.1	9.999282
Perth West.-Austr. . .	60	−31 57 9.6	−6 49 46.94	−67.32	−31 46 50.2	9.999600
Petersburg (Akademie)	20	+59 56 29.7	−1 7 38.55	−11.11	+59 46 29.9	9.998915
Petersburg (Univers.) .	4	+59 56 32.0	−1 7 36.5	−11.11	+59 46 32.2	9.998914
Philadelphia (Alte Stw.)	—	+39 57 7.5	+5 54 13.29	+58.19	+39 45 47.9	9.999404
Philadelphia[1]) . . .	74	+39 58 2.1	+5 54 41.4	+58.27	+39 46 42.5	9.999409
Plonsk[2])	—	+52 37 40.0	−0 27 57.1	− 4.59	+52 26 33.1	9.999085
Pola	32	+44 51 48.6	−0 1 48.16	− 0.30	+44 40 18.0	9.999282
Portsmouth	—	+50 48 3	+0 57 59.6	+ 9.53	+50 36 46	9.999130
Potsdam (Astrophys. Obs.)	97	+52 22 56.0	+0 1 18.94	+ 0.22	+52 11 47.6	9.999098
Potsdam (Geod.Inst.) Turm	97	+52 22 54.8	+0 1 18.68	+ 0.22	+52 11 46.5	9.999098
Poughkeepsie[3]) . . .	46	+41 41 18	+5 49 8.4	+57.36	+41 29 52	9.999363
Prag (Univ.-Stw.) Turm .	197	+50 5 16.0	−0 4 5.49	− 0.67	+49 53 55.8	9.999161
Prag (Safarik)	—	+50 4 24	−0 4 13	− 0.69	+49 53 4	9.999148
Princeton N.J. (N. Stw.)[1])	76	+40 20 55.8	+5 52 14.33	+57.86	+40 9 34.6	9.999399
Providence[5])	—	+41 49 46.4	+5 39 12.42	+55.72	+41 38 20.2	9.999357
Pulkowa Zentr. d. Stw.	75	+59 46 18.7	−1 7 43.78	−11.13	+59 36 16.9	9.998922
Quebec Canada . . .	—	+46 48 17.3	+5 38 24.2	+55.59	+46 36 47.9	9.999231
Quito	2846	− 0 14 0	+6 8 55	+60.60	− 0 13 54	0.000194
Riga (Polytechnikum) Turm	—	+56 57 7	−0 42 53.31	− 7.04	+56 46 35	9.998981
Rio de Janeiro . . .	63	−22 54 23.7	+3 46 16.32	+37.17	−22 46 9.7	9.999786
Rochester (Lewis Swift)	172	+43 9 16.8	+6 3 56.67	+59.78	+42 57 47.7	9.999335
Rom (Coll. Rom.) Mer.-Kr.	59	+41 53 53.6	+0 3 39.44	+ 0.61	+41 42 27.3	9.999359
Rom (Capitol) Mer.-Kr.	63	+41 53 33.5	+0 3 38.46	+ 0.60	+41 42 7.2	9.999359
Rom (Vatican) Mer.-Kr.	100	+41 54 16.8	+0 3 45.52	+ 0.62	+41 42 50.4	9.999362
Rousdon	157	+50 42 38	+1 5 33.7	+10.76	+50 31 21	9.999143
Rugby	—	+52 22 7	+0 58 36.8	+ 9.63	+52 10 59	9.999091
St. Louis Missouri . .	—	+38 38 3.6	+6 54 23.95	+68.08	+38 26 50.4	9.999437
San Fernando . . .	31	+36 27 40.4	+1 18 24.17	+12.88	+36 16 40.8	9.999492
San Francisco[6]) . .	—	+37 47 28.0	+9 3 17.61	+89.25	+37 36 19.7	9.999457
Santiago de Chile (N. St.)	519	−33 26 42.0	+5 36 21.2	+55.24	−33 16 7.6	9.999596
Santiago de Chile (A. St.)	619	−33 26 25.4	+5 36 11.7	+55.22	−33 15 51.0	9.999603

[1]) Flower Obs. (Univ. of Pennsylvania). — [2]) Dr. Jedrzejewicz; 1898 nach Warschau verlegt. — [3]) Vassar College. — [4]) Alte Sternwarte 2″.0 nördlich, 1s.94 östlich; 65m. — [5]) Seagrave; Ladd Observatory, 35″ nördlich, 1s.57 östlich. — [6]) Davidson Observatory.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
Scarborough	—	+54 16 30	+ 0 55 13.7	+ 9.07	+54 5 36	9.999045
Schwerin	—	+53 37 37.9	+ 0 7 54.00	+ 1.30	+53 26 37.7	9.999061
Seeberg[1])	356	+50 56 5.2	+ 0 10 39.70	+ 1.75	+50 44 48.9	9.999151
Sétif	1113	+36 11 19	+ 0 31 56.5	+ 5.25	+36 0 21	9.999570
South Hadley	76	+42 15 18.2	+ 5 43 55.18	+ 56.50	+42 3 50.9	9.999351
Speyer	—	+49 18 55.2	+ 0 19 49.29	+ 3.26	+49 7 32.0	9.999168
Stockholm Mer.Kreis .	44	+59 20 34.0	— 0 18 39.18	— 3.06	+59 10 27.2	9.998930
Stonyhurst.	—	+53 50 40.0	+ 1 3 27.5	+ 10.42	+53 39 41.3	9.999055
Straſsburg (Prov. Stw.) .	161	+48 34 54.0	+ 0 22 32.43	+ 3.70	+48 23 28.5	9.999197
Straſsburg (N.St.). M.-Kr[2])	144	+48 35 0.4	+ 0 22 30.27	+ 3.70	+48 23 34.9	9.999196
Sydney	44	—33 51 41.1	— 9 11 14.80	— 90.55	—33 41 2.8	9.999555
Tacubaya[3])	2322	+19 24 17.5	+ 7 30 21.33	+ 73.98	+19 17 5.8	9.999999
Taschkent	457	+41 19 31.3	— 3 43 35.89	— 36.73	+41 8 6.6	9.999400
Taunton Mass. (Metcalf).	8	+41 54	+ 5 37 55	+ 55.51	+41 43	9.999355
Teramo (Cerulli)	398	+42 39 27	— 0 1 21	— 0.22	+42 27 59	9.999363
Tokio	—	+35 39 17.5	— 8 25 23.2	— 83.02	+35 28 24.0	9.999509
Toronto	108	+43 39 35.9	+ 6 11 9.49	+ 60.97	+43 28 6.1	9.999318
Tortosa (Ebro-Stw.) M.-Kr.	—	+40 49 14	+ 0 51 36.3	+ 8.48	+40 37 51	9.999382
Toulouse	194	+43 36 45.3	+ 0 47 43.8	+ 7.84	+43 25 15.6	9.999325
Triest	23	+45 38 45.4	— 0 1 28.10	— 0.24	+45 27 14.9	9.999262
Troy N. Y.	—	+42 43 52.9	+ 5 48 19.4	+ 57.22	+42 32 24.6	9.999334
Tsingtau (Met. astr. Stat.)	—	+36 4 11.3	— 7 7 41.41	— 70.26	+35 53 14.6	9.999499
Tulse Hill (W. Huggins) .	53	+51 26 47.0	+ 0 54 2.5	+ 8.88	+51 15 33.3	9.999118
Turin Mer.-Kr.	276	+45 4 7.9	+ 0 22 47.65	+ 3.74	+44 52 37.3	9.999294
Twickenham (G. Bishop)	—	+51 27 4.2	+ 0 54 47.9	+ 9.00	+51 15 50.5	9.999114
Upsala (N. Stw.) Pass.-Instr.	21	+59 51 29.4	— 0 16 55.33	— 2.78	+59 41 28.6	9.998916
Urbana Ill.	236	+40 6 20.2	+ 6 46 28.77	+ 66.77	+39 55 0.0	9.999416
Utrecht	12	+52 5 9.5	+ 0 33 3.2	+ 5.43	+51 53 59.3	9.999099
Valkenburg (Ignatius Coll.)	—	+50 52 29.3	+ 0 30 14.89	+ 4.97	+50 41 12.7	9.999128
Venedig	15	+45 26 10.5	+ 0 4 12.68	+ 0.69	+45 14 39.9	9.999267
Warschau Zentr. d. Stw.	110	+52 13 5.7	— 0 30 32.45	— 5.02	+52 1 56.3	9.999102
Warschau[4])	—	+52 13 10	— 0 30 30	— 5.01	+52 2 1	9.999095
Washington (Alte Stw.)	31	+38 53 38.9	+ 6 1 46.93	+ 59.43	+38 42 24.3	9.999432
Washington (Neue Stw.)	82	+38 55 14.0	+ 6 1 50.60	+ 59.44	+38 43 59.3	9.999435
Washington (Kath. Univ.)	—	+38 56 14.8	+ 6 1 34.8	+ 59.40	+38 45 0.0	9.999429
Wellington (Mt. Cook Obs.)	44	—41 16 47.1	—10 45 30.51	—106.04	—41 5 22.6	9.999374

[1]) Alte Sternwarte, 1853 nach Gotha verlegt. — [2]) Seit Anfang 1881. — [3]) Seit März 1883, früher in Chapultepec. — [4]) Dr. Jedrzejewicz; seit 1898, früher in Plonsk.

Name	Seehöhe	Geogr. Breite	Länge von Berlin + westlich	Korr. der Sternzeit	Geoz. Breite	Log. ρ incl. Seehöhe
	m	° ′ ″	h m s	s	° ′ ″	
West Point N.Y. (N. Stw.)[1]	170	+41 23 22.1	+ 5 49 25.4	+ 57.40	+41 11 57	9.999379
Whitestone (Field Obs.)	—	+40 47 21.6	+ 5 48 42.5	+ 57.28	+40 35 58.6	9.999383
Wien (Alte Sternw.) . . .	167	+48 12 35.5	— 0 11 56.81	— 1.96	+48 1 8.9	9.999206
Wien (Josephstadt)[2] . .	214	+48 12 53.8	— 0 11 50.37	— 1.94	+48 1 27.2	9.999210
Wien (Neue Sternw.) Zentr.	240	+48 13 55.4	— 0 11 46.56	— 1.93	+48 2 28.9	9.999211
Wien (Ottakring)[3] . . .	285	+48 12 46.7	— 0 11 36.17	— 1.91	+48 1 20.1	9.999215
Wien (Mil. Geogr. Inst.) . .	—	+48 12 40.0	— 0 11 51.45	— 1.95	+48 1 13.4	9.999195
Wien (Techn. Hochschule)	—	+48 11 58.5	— 0 11 54.91	— 1.96	+48 0 31.9	9.999196
Wilhelmshaven Mer.-Kr.	9	+53 31 52.1	+ 0 20 59.74	+ 3.45	+53 20 51.2	9.999064
Williams-Bay Wisc.[4]	335	+42 34 12.6	+ 6 47 48.08	+ 66.99	+42 22 44.7	9.999361
Williamstown Mass. .	213	+42 42 49	+ 5 46 28.3	+ 56.92	+42 31 21	9.999349
Williamstown Vict. .	—	—37 52 7.2	— 8 46 3.3	— 86.42	—37 40 58.4	9.999455
Wilna Pass.-Instr. . . .	122	+54 40 59.1	— 0 47 33.96	— 7.81	+54 30 6.8	9.999043
Windsor N. S. W.[5] .	16	—33 36 30.8	— 9 9 45.97	— 90.31	—33 25 54.9	9.999559
Zô-sè China	100	+31 5 48	— 7 11 10.0	— 70.83	+30 55 38	9.999622
Zürich	470	+47 22 40.0	+ 0 19 22.5	+ 3.18	+47 11 11.5	9.999248

[1]) Seit 1883. Alte Sternwarte 9″ nördlich, 1s.2 östlich. — [2]) von Oppolzers Sternwarte. — [3]) v. Kuffner. — [4]) Yerkes Observatory. — [5]) J. Tebbutt. Neue Sternwarte, 0″.4 südlich von der alten.

Bahnelemente, Oppositionsangaben und Oppositions-Ephemeriden

der

kleinen Planeten

für

1912.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
1 Ceres	Jan. 19	7.0	7.4	4.0	1912 Jan. 11.0	d. Ep.	331° 20′ 2.8″	68° 25′ 4.9″
2 Pallas	—	—	8.0	4.5	1911 Nov. 8.0	d. Ep.	315 26 42.8	308 59 20.8
3 Juno	Juni 10	9.8	8.7	5.5	1912 Mai 18.0	d. Ep.	209 57 20.2	245 13 53.2
4 Vesta	Febr. 18	6.6	6.5	4.0	1857 Jan. 1.0*)	d. Ep.	198 20 2.8	147 10 40.2
5 Astraea	—	—	9.9	6.9	1898 Sept. 11.0	1910.0	224 4 1.2	353 28 9.3
6 Hebe	Nov. 17	7.4	8.5	5.8	1900 Juli 3.0	1910.0	284 20 20.1	236 56 30.6
7 Iris	März 22	9.2	8.4	5.8	1900 Jan. 0.0*)	1900.0	9 5 20.1	141 31 26.9
8 Flora	Sept. 12	8.1	8.9	6.8	1848 Jan. 1.0*)	d. Ep.	35 52 49.3	282 38 15.6
9 Metis	Okt. 13	9.4	8.9	6.3	1858 Juni 30.0	d. Ep.	57 4 34.7	2 32 16.9
10 Hygiea	Sept. 11	9.7	9.5	5.4	1898 Dez. 20.0	1910.0	291 20 17.9	308 57 0.0
11 Parthenope	Aug. 7	8.6	9.3	6.5	1901 Okt. 26.0	1910.0	65 58 42.7	193 25 55.1
12 Victoria	—	—	9.7	7.2	1851 Jan. 0.0*)	d. Ep.	66 2 39.9	66 4 43.3
13 Egeria	Okt. 25	9.7	9.7	6.7	1850 Jan. 0.0	1850.0	210 47 6.0	76 57 55.6
14 Irene	—	—	9.7	6.6	1898 Okt. 1.0	1910.0	180 47 34.9	92 3 45.6
15 Eunomia	Okt. 31	7.4	8.6	5.4	1854 Jan. 0.0	d. Ep.	122 5 36.4	93 59 32.5
16 Psyche	Febr. 25	10.1	9.6	5.9	1899 Juli 27.0	1910.0	301 1 33.0	226 3 57.4
17 Thetis	Nov. 23	10.8	10.1	7.3	1911 Juli 26.0	1910.0	27 0 26.4	137 49 53.1
18 Melpomene	Jan. 39	9.2	9.3	6.9	1854 Jan. 0.0*)	d. Ep.	80 4 37.0	225 1 41.3
19 Fortuna	April 25	10.7	9.8	7.1	1911 Jan. 27.0	1910.0	68 12 58.0	179 44 55.5
20 Massalia	Okt. 20	8.8	9.2	6.5	1899 März 29.0	1910.0	76 24 22.5	253 47 7.4
21 Lutetia	Juni 1	9.7	10.1	7.4	1853 Jan. 2.0*)	1852.0	74 20 5.1	246 36 10.2
22 Kalliope	—	—	9.8	6.1	1898 Okt. 1.0	1910.0	96 34 37.0	351 57 0.4
23 Thalia	—	—	10.5	7.3	1900 Jan. 3.0	1910.0	337 2 2.1	56 0 12.2
24 Themis	Nov. 20	10.6	10.8	6.7	1905 Juni 27.0	1900.0	170 16 40.3	105 42 2.7
25 Phocaea	Febr. 27	11.5	10.5	7.9	1898 Aug. 2.0	1910.0	7 21 33.6	88 49 22.7
26 Proserpina	—	—	10.5	7.3	1911 Nov. 3.0	1910.0	168 16 35.2	190 27 41.8
27 Euterpe	Febr. 22	9.1	9.7	7.2	1873 Jan. 5.0*)	1870.0	90 32 27.0	354 8 6.0
28 Bellona	Okt. 16	10.2	10.1	6.6	1912 Okt. 28.0	1910.0	274 51 15.6	340 18 8.7
29 Amphitrite	Juni 30	9.4	9.0	6.1	1855 Jan. 0.0*)	1870.0	198 1 40.2	59 42 14.8
30 Urania	Juli 4	10.2	9.9	7.4	1890 Juni 5.0	1910.0	239 51 48.5	83 41 38.7
31 Euphrosyne	März 14	10.4	11.0	6.8	1899 Okt. 15.0	1910.0	327 7 12.3	60 23 44.4
32 Pomona	Okt. 4	11.5	10.6	7.5	1855 Jan. 5.0*)	d. Ep.	223 54 39.3	332 38 53.4
33 Polyhymnia	Sept. 3	9.3	11.8	8.2	1900 Jan. 0.0	1910.0	137 40 57.3	334 11 19.2
34 Circe	März 8	10.9	11.5	8.2	1897 Dez. 5.0	1910.0	288 24 37.6	326 54 50.4
35 Leukothea	März 11	11.0	12.2	8.3	1912 März 2.0	1910.0	336 6 21.7	210 0 34.1
36 Atalante	März 24	12.9	12.0	8.6	1899 Mai 8.0	1910.0	179 27 12.1	44 26 46.7
37 Fides	—	—	10.4	7.2	1911 Okt. 14.0	1910.0	330 43 0.6	59 40 4.2
38 Leda	Juni 28	12.2	11.4	8.0	1897 Febr. 8.0	1910.0	31 52 32.7	166 10 19.4
39 Laetitia	Mai 2	9.9	9.5	6.0	1897 Jan. 19.0	1910.0	111 43 50.9	205 28 15.6
40 Harmonia	Nov. 13	9.0	9.2	6.9	1863 Jan. 0.0*)	d. Ep.	186 48 19.4	267 19 12.8

*) Mittlere Elemente.

☊	i	φ	μ	Log. a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
80 44 31.1	10 36 56.4	4 24 1.0	770.7778	0.4420516	Godward.
172 55 57.8	34 41 59.9	13 47 40.8	768.9075	0.4427550	Farley.
170 37 50.2	12 59 20.1	14 50 32.6	812.0989	0.4269318	Hind.
103 23 20.1	7 8 6.2	5 6 4.4	977.63246	0.3732206	Leveau.
141 39 24.5	5 20 3.2	11 1 8.5	858.1895	0.4109489	Farley.
138 47 54.7	14 47 59.3	11 35 3.1	939.1860	0.3848366	R. Luther.
260 33 44.3	5 28 1.2	13 20 50.2	962.5828	0.3777123	Riem.
110 17 16.7	5 53 7.3	9 0 54.4	1086.3382	0.3426943	Downing.
68 31 35.2	5 36 0.3	7 5 2.4	962.3390	0.3777857	Lesser.
285 58 13.6	3 48 51.6	6 53 27.8	639.1669	0.4962615	E. Becker.
125 23 31.9	4 37 51.4	5 44 1.0	923.9058	0.3895859	R. Luther.
235 34 41.7	8 23 17.7	12 38 44.9	994.8347	0.3681705	Brünnow.
43 11 37.6	16 32 24.3	4 59 48.7	857.9471	0.4110307	Samter.
87 5 6.2	9 7 32.0	9 20 51.3	851.4287	0.4132389	Maywald.
293 52 33.3	11 44 15.8	10 47 45.6	825.46059	0.4222068	Kamienstschikoff.
150 39 24.8	3 4 25.9	7 50 18.3	710.5554	0.4656058	Schubert.
125 8 54.2	5 36 33.4	7 40 4.2	913.55093	0.392849	Maywald.
150 3 49.7	10 9 16.9	12 34 20.2	1020.1198	0.3609036	Schubert.
211 14 7.0	1 32 59.8	9 7 17.0	929.98741	0.387686	Berberich.
206 49 40.3	0 41 7.9	8 17 46.2	949.0005	0.3818268	Küstner.
80 27 48.5	3 5 9.5	9 19 44.6	933.5544	0.3865780	Lesser.
66 41 31.2	13 43 38.1	5 38 34.5	714.4288	0.4640317	Berberich.
67 58 18.4	10 13 3.3	13 32 59.4	833.5369	0.4193879	Schubert.
35 37 12.3	0 48 2.2	7 49 43.5	641.70063	0.4951161	Krueger.
214 22 20.9	21 36 40.9	14 39 21.4	954.0992	0.3802754	Berberich.
45 53 56.4	3 35 2.4	4 55 41.9	819.36947	0.424351	P. Neugebauer.
93 51 20.1	1 35 30.4	10 0 56.0	986.6944	0.3705493	Hoppe.
144 39 1.7	9 23 57.9	8 45 5.0	766.913	0.443507	v. d. Groeben.
356 40 46.5	6 7 4.6	4 15 25.3	869.0352	0.4073128	E. Becker.
308 25 1.9	2 6 2.7	7 21 5.1	975.3144	0.3739080	Günther.
31 53 23.2	26 28 7.0	12 52 34.7	635.0803	0.4981187	Schubert.
220 42 55.2	5 28 49.9	4 45 43.1	852.5880	0.4128449	Lesser.
9 15 35.3	1 55 20.3	19 41 13.8	731.7057	0.4571134	Newcomb.
184 58 12.9	5 27 21.7	6 4 35.9	805.6011	0.4292575	Auwers.
355 9 7.4	8 4 49.4	12 49 29.9	684.286	0.476513	Tietjen.
359 15 7.6	18 39 44.0	17 26 19.0	777.3458	0.4395950	Schubert.
7 56 30.9	3 6 15.8	10 10 31.4	826.33974	0.421899	R. Luther.
296 37 59.5	6 57 55.1	8 53 45.4	781.8518	0.4379215	Berberich.
157 33 8.6	10 22 6.9	6 23 16.8	769.6407	0.4424791	Tietjen.
93 34 54.2	4 15 48.4	2 40 13.6	1039.3353	0.3555006	Schubert.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
41 Daphne . .	Juli 26	9.5	10.5	7.0	1897 Okt. 6.0	1910.0	338° 8′ 41.4″	41° 50′ 23.8″
42 Isis	Jan. 31	11.6	10.4	7.7	1910 Sept. 29.0	1910.0	38 28 10.7	234 56 28.5
43 Ariadne . .	Jan. 23	10.9	10.0	7.9	1897 Okt. 6.0	1910.0	80 15 48.4	13 58 23.0
44 Nysa	—	—	9.8	7.1	1891 April 1.0	1910.0	101 29 32.1	340 33 5.3
45 Eugenia . .	Okt. 9	11.0	10.7	7.3	1911 Mai 26.5	1910.0	26 55 0	82 43 5.7
46 Hestia . . .	März 18	11.5	10.6	7.7	1910 Nov. 28.0	1910.0	68 8 1.2	173 7 5.8
47 Aglaja . . .	—	—	11.2	7.5	1911 Okt. 14.0	1910.0	54 33 57.1	312 3 27.2
48 Doris	Sept. 8	10.9	10.9	6.8	1890 Sept. 13.0	1910.0	277 3 7.4	251 36 27.2
49 Pales	Dez. 3	9.8	11.0	7.0	1911 Juli 21.5	1910.0	294 22 0	104 17 27.1
50 Virginia . .	Mai 4	12.7	11.7	8.5	1890 April 6.0	1910.0	193 9 42.2	196 47 34.7
51 Nemausa . .	—	—	9.8	7.3	1889 Nov. 17.0	1910.0	254 26 43.1	358 30 22.4
52 Europa . . .	Jan. 5	9.6	10.3	6.2	1891 April 1.0	1910.0	65 39 33.0	335 59 4.0
53 Kalypso . .	—	—	11.5	8.4	1911 Sept. 24.0	1910.0	288 56 45.5	310 40 36.6
54 Alexandra .	Okt. 18	10.8	10.9	7.6	1884 Aug. 15.0	1910.0	316 55 13.5	341 53 36.7
55 Pandora . .	Mai 27	11.1	10.8	7.4	1911 März 19.5	1910.0	156 46 0.0	0 46 56.4
56 Melete . . .	Nov. 21	11.8	11.3	8.2	1900 Dez. 30.0	1910.0	157 16 2.5	101 6 0.1
57 Mnemosyne	Febr. 26	10.8	10.7	6.5	1912 März 2.0	1910.0	99 11 0.8	207 9 44.7
58 Concordia .	—	—	11.6	8.3	1865 Jan. 7.0*)	d. Ep.	21 24 4.2	27 50 14.7
59 Elpis	April 10	11.5	10.9	7.6	1865 Jan. 7.0	1910.0	334 18 57.1	207 58 24.0
60 Echo	Okt. 1	10.9	11.1	8.5	1897 Okt. 6.0	1910.0	272 15 22.3	267 57 40.8
61 Danaë . . .	Okt. 21	10.4	11.0	7.1	1900 April 14.0	1910.0	244 20 50.4	8 27 28.4
62 Erato	Febr. 18	12.4	12.3	8.2	1910 Nov. 21.5	1910.0	8 12 0.0	273 18 12.0
63 Ausonia . .	—	—	9.9	7.3	1898 Febr. 3.0	1910.0	250 44 8.5	292 55 12.7
64 Angelina . .	Dez. 7	9.9	10.5	7.2	1909 Febr. 1.5	1910.0	6 20 0.0	173 35 10.2
65 Cybele . . .	April 6	10.7	11.0	6.4	1909 Dez. 23.0	1910.0	181 16 46.7	95 55 15.9
66 Maja	Jan. 17	11.7	12.2	9.0	1897 Juli 18.0	1910.0	277 24 16.1	40 10 30.9
67 Asia	—	—	11.2	8.5	1897 Dez. 5.0	1910.0	201 20 50.1	103 20 15.8
68 Leto	April 23	11.0	10.5	7.0	1912 Mai 1.0	1910.0	245 4 32.5	301 9 8.0
69 Hesperia . .	Jan. 0	9.7	10.7	6.8	1889 Jan. 1.0	1910.0	182 52 57.9	284 43 32.6
70 Panopaea .	Juni 12	10.0	10.9	7.8	1890 Dez. 22.0	1910.0	305 21 16.5	252 49 41.9
71 Niobe . . .	Okt. 8	11.7	10.7	7.3	1912 Okt. 8.0	1910.0	158 9 58.4	265 14 41.1
72 Feronia . .	März 2	11.7	11.2	8.9	1897 Dez. 25.0	1910.0	166 4 16.3	100 27 8.7
73 Klytia . . .	Nov. 6	11.8	12.0	8.8	1898 Aug. 2.0	1910.0	244 29 53.1	52 42 38.5
74 Galatea . .	Mai 18	12.4	11.8	8.3	1911 März 19.5	1910.0	160 10 0.0	170 59 36.6
75 Eurydike . .	Jan. 27	12.8	11.6	8.4	1897 Okt. 26.0	1910.0	32 23 13.9	335 34 7.7
76 Freia	Sept. 22	11.8	12.0	7.4	1911 Juli 6.0	1910.0	222 10 32.0	235 24 48.2
77 Frigga . . .	Febr. 22	11.1	11.1	7.9	1897 Okt. 6.0	1910.0	331 13 52.7	56 51 43.2
78 Diana . . .	Okt. 12	10.5	10.6	7.5	1907 Aug. 16.0	1910.0	206 4 36.9	149 44 7.9
79 Eurynome .	Juni 25	11.1	10.5	7.8	1911 März 28.0	1910.0	129 21 59.1	198 40 13.2
80 Sappho . . .	März 9	11.6	10.6	8.2	1896 Okt. 11.0	1910.0	19 11 20.2	136 54 7.7

*) Mittlere Elemente.

☊	i	φ	μ	Log. a	Autorität
179° 2′ 48.7″	15° 55′ 33.5″	15° 26′ 36.4″	770.4586″	0.4421715	Berberich.
84 18 9.5	8 33 1.0	12 48 4.4	929.11108	0.3879594	L. Becker.
264 53 57.0	3 27 42.6	9 38 32.6	1084.7577	0.3431159	Prey.
131 22 43.4	3 42 0.7	8 48 10.9	941.7363	0.3840515	Powalky.
148 15 53.9	6 35 18.5	4 44 11.6	791.0695	0.4345280	Richter.
181 21 7.7	2 17 38.7	9 38 0.9	884.45090	0.4022219	Karlinski.
3 53 57.8	5 0 30.7	7 27 42.2	725.32891	0.459648	P. Neugebauer.
184 50 59.0	6 30 23.4	3 30 16.7	645.5014	0.4934063	Powalky.
289 50 20.8	3 8 28.3	12 52 28.4	648.4530	0.4920854	Powalky.
173 55 41.5	2 48 27.0	16 45 58.0	823.5561	0.4228757	Powalky.
176 1 8.9	9 57 11.5	3 51 23.3	975.1593	0.3739540	Berberich.
129 57 19.4	7 26 14.9	6 31 44.8	651.8134	0.4905889	Murmann.
143 53 57.0	5 8 8.4	11 49 8.2	837.57580	0.417988	Tietjen.
314 2 22.8	11 47 37.5	11 31 49.2	795.5362	0.4328978	Schultz.
11 13 41.5	7 13 26.0	8 18 56.3	773.8612	0.4408957	A. Moeller.
194 10 59.0	8 3 9.4	13 24 5.5	846.1114	0.4150527	R. Luther.
200 4 11.2	15 11 49.8	6 39 28.8	634.823	0.498236	Adolph.
161 19 50.3	5 1 50.5	2 26 21.8	799.5964	0.4314238	Oppolzer.
170 58 0.1	8 36 53.1	6 44 2.7	793.9788	0.4334651	Oppolzer.
192 2 8.5	3 35 2.2	10 34 22.7	958.2244	0.3790263	C. H. F. Peters.
334 23 28.2	18 15 3.1	9 29 23.8	688.3554	0.4747959	R. Luther.
126 6 30.1	2 12 15.4	9 52 0.0	646.566	0.492929	Oppolzer.
338 6 39.1	5 47 15.9	7 17 58.7	957.1671	0.3793459	Tietjen.
311 1 40.8	1 19 37.6	7 17 59.7	807.9036	0.4284314	Oppolzer.
158 50 52.9	3 28 52.3	5 45 43.0	557.40783	0.5358890	Fritsche.
8 25 31.5	3 5 3.2	10 3 43.4	824.3940	0.422582	Maywald.
203 4 10.5	5 59 10.5	10 47 54.5	942.3560	0.3838611	Frischauf.
44 46 31.7	7 58 26.0	10 43 53.5	764.603	0.444381	Th. Wolff.
186 49 25.9	8 29 47.6	9 39 2.0	689.6731	0.4742422	Kowalczyk.
48 23 54.9	11 38 23.5	10 22 15.9	838.9960	0.4174978	Richter.
316 23 15.0	23 16 25.2	10 9 4.7	776.269	0.439996	P. Neugebauer.
208 2 57.2	5 23 52.3	6 56 42.6	1040.3544	0.3552169	C. H. F. Peters.
7 43 24.2	2 24 17.7	2 34 3.9	816.0117	0.4255401	Powalky.
197 53 4.9	4 0 22.1	13 43 0.6	766.2730	0.4437487	Maywald.
0 6 45.0	4 59 55.9	17 45 42.2	812.4299	0.4268137	Stockwell.
212 4 0.9	2 3 7.8	9 58 25.8	564.54419	0.532206	Murmann.
2 12 17.7	2 27 34.5	7 38 43.5	813.8298	0.4263153	Plath.
333 52 20.2	8 40 20.6	11 51 36.2	835.7718	0.4186116	v. Dubjago.
206 38 50.2	4 35 55.8	10 59 25.5	927.85318	0.388352	Lachmann.
218 49 35.1	8 37 17.6	11 34 29.9	1020.1089	0.3609067	P. V. Neugebauer.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M			ω		
							°	′	″	°	′	″
81 Terpsichore	Sept. 1	11.2	11.8	8.2	1897 Juli 18.0	1910.0	260	37	9.1	46	14	50.5
82 Alkmene . .	Mai 10	11.1	11.2	7.8	1912 Mai 1.0	1910.0	69	26	29.9	106	51	53.6
83 Beatrix . . .	Okt. 24	11.8	11.3	8.6	1891 Jan. 11.0	1910.0	295	16	6.4	163	24	40.4
84 Klio	Juni 25	10.4	11.3	8.8	1912 Juli 20.0	1910.0	322	38	37.1	12	43	40.4
85 Io	Juni 27	10.0	10.9	7.7	1889 Febr. 10.0	1910.0	180	9	35.1	120	16	17.9
86 Semele . . .	April 17	13.4	12.4	8.3	1909 Nov. 15.5	1910.0	15	52	30.0	300	25	58.4
87 Sylvia . . .	Juni 26	11.6	11.9	7.2	1898 April 24.0	1910.0	236	42	47.7	265	34	33.5
88 Thisbe . . .	Juli 14	9.8	10.8	7.4	1889 Dez. 27.0	1910.0	24	33	30.8	30	50	45.1
89 Julia	—	—	10.1	7.1	1909 Jan. 31.5	1910.0	124	11	0.0	42	50	18.7
90 Antiope . .	Dez. 28	12.3	11.6	7.5	1912 Dez. 7.0	1910.0	134	29	1.2	236	50	48.2
91 Aegina . . .	Nov. 14	10.7	10.8	7.7	1897 Febr. 8.0	1910.0	54	32	6.9	71	55	32.8
92 Undina . . .	Juni 15	10.6	10.9	6.7	1904 Febr. 13.0	1910.0	142	28	50.2	220	34	12.4
93 Minerva . .	Juni 2	10.0	10.8	7.4	1911 Jan. 31.5	1910.0	236	37	30	272	32	0
94 Aurora . . .	Okt. 3	10.9	11.3	7.1	1883 Juli 12.0	1910.0	256	3	4.3	45	22	37.9
95 Arethusa . .	Febr. 16	11.6	11.3	7.3	1912 Febr. 11.0	1910.0	101	29	49.3	148	20	0.2
96 Aegle . . .	Juni 29	11.6	11.4	7.4	1897 Sept. 16.0	1910.0	182	59	36.0	200	34	30.1
97 Klotho . . .	April 17	11.5	10.6	7.4	1898 Jan. 14.0	1910.0	21	4	31.9	264	36	8.8
98 Ianthe . . .	März 11	10.4	12.7	9.4	1894 Jan. 15.0	1910.0	331	2	34.3	154	49	36.4
99 Dike	—	—	14	10.5	1868 Juni 5.0	1910.0	350	36	11	198	52	56
100 Hekate . . .	Okt. 8	11.4	11.9	7.8	1911 Juni 9.5	1910.0	323	25	0.0	176	49	53.2
101 Helena . . .	Febr. 22	11.4	10.7	7.6	1897 Aug. 27.0	1910.0	8	56	38.1	343	58	24.2
102 Miriam . . .	—	—	12.6	9.4	1898 Juli 13.0	1910.0	319	11	42.8	143	38	29.9
103 Hera	Juli 28	9.7	10.2	6.9	1897 Febr. 8.0	1910.0	173	11	18.9	185	58	53.7
104 Klymene . .	Juli 22	12.5	12.2	8.0	1897 Dez. 25.0	1910.0	35	9	54.6	20	0	49.1
105 Artemis . .	Okt. 11	11.7	11.1	8.5	1897 Aug. 27.0	1910.0	69	55	41.8	54	43	26.1
106 Dione . . .	Juni 18	11.7	11.3	7.2	1910 Febr. 21.0	1910.0	108	23	21.0	324	54	49.2
107 Camilla . . .	Juli 20	11.5	11.2	6.5	1911 Mai 19.5	1910.0	126	6	0	293	57	59.6
108 Hecuba . . .	Okt. 15	12.0	11.7	7.4	1911 Sept. 24.0	1910.0	159	37	59.5	172	26	42.4
109 Felicitas . .	Mai 31	13.4	12.0	8.7	1911 April 18.5	1910.0	113	52	0.0	52	23	6.6
110 Lydia . . .	Aug. 19	10.0	10.5	7.1	1901 Febr. 13.0	1910.0	150	32	10.1	281	13	26.2
111 Ate	Sept. 2	11.6	11.3	8.2	1911 Mai 25.5	1910.0	130	13	0.0	163	34	48.8
112 Iphigenia .	Nov. 14	11.2	11.5	8.8	1897 Dez. 25.0	1910.0	88	12	11.4	14	7	51.7
113 Amalthea .	Juli 14	10.9	11.0	8.4	1912 Juli 10.0	1910.0	81	17	40.2	76	21	30.1
114 Kassandra .	—	—	11.1	7.8	1889 Sept. 18.0	1910.0	211	30	3.4	348	48	30.0
115 Thyra . . .	Dez. 22	9.4	10.4	7.8	1897 Okt. 6.0	1910.0	340	57	26.1	94	2	38.0
116 Sirona . . .	Aug. 20	11.5	10.7	7.3	1911 Mai 25.5	1910.0	71	42	0	90	3	0
117 Lomia . . .	Aug. 17	11.3	11.4	7.5	1897 Okt. 6.0	1910.0	332	35	55.4	48	38	20.1
118 Peitho . . .	Okt. 17	10.1	10.8	8.1	1911 Juli 6.0	1910.0	196	18	53.3	31	17	7.0
119 Althaea . .	—	—	10.6	7.5	1898 Aug. 2.0	1910.0	314	33	34.0	168	34	50.1
120 Lachesis . .	Aug. 8	11.7	11.7	7.6	1897 Nov. 15.0	1910.0	202	19	20.3	238	31	10.8

☊	i	φ	μ	Log. a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
2 34 20.8	7 55 5.5	12 11 52.3	736.4126	0.4552569	Maywald.
26 34 22.4	2 50 58.1	12 44 29.1	771.82632	0.4416580	W. Luther.
27 47 22.4	4 59 49.4	4 51 24.3	935.9122	0.3858476	E. Becker.
327 27 57.6	9 21 31.5	13 40 39.5	977.317	0.373314	P. Neugebauer.
203 55 21.1	11 53 47.5	11 10 33.7	821.0524	0.4237571	v. d. Groeben.
88 2 1.0	4 47 35.9	12 46 53.6	651.1030	0.4909041	Riem.
75 15 57.6	10 53 1.7	5 26 44.5	545.3288	0.5422321	v. d. Groeben.
277 51 59.5	5 14 54.8	9 26 6.4	771.1774	0.4419015	Kowalczyk.
312 0 55.5	16 12 32.0	10 33 29.3	870.7645	0.4067372	Th. Wolff.
70 49 29.5	2 15 27.2	8 47 49.6	632.352	0.499365	Maywald.
11 4 13.0	2 8 25.1	6 7 10.0	850.8763	0.4134268	Heuer.
102 50 42.0	9 56 23.7	5 22 41.6	622.67957	0.5038280	Anderson.
5 4 31.2	8 35 28.0	8 15 30	775.6316	0.4402341	P. Lehmann.
4 33 17.4	8 4 18.6	4 44 18.3	630.6584	0.5001416	Leppig.
244 5 39.5	12 55 47.9	8 52 44.4	661.503	0.486316	Schur.
322 47 10.3	16 2 24.5	7 39 35.3	663.1502	0.4855965	Schulhof.
160 57 9.4	11 45 29.3	14 51 9.7	813.5778	0.4264050	Maywald.
354 27 5.1	15 33 47.6	10 49 11.3	805.3086	0.4293629	Riem.
42 17 51	13 53 30	13 47 30	758.662	0.44664	Loewy u. Tisserand.
128 26 39.4	6 23 7.5	9 16 58.5	651.5823	0.4906916	Stark.
343 42 52.6	10 10 32.8	8 1 10.2	854.8620	0.4120737	v. d. Groeben.
211 39 13.0	5 5 24.5	14 44 31.2	817.8380	0.4248929	C. H. F. Peters.
136 26 1.5	5 24 33.0	4 30 21.3	798.0990	0.4319665	Leveau.
43 13 29.2	2 52 54.6	8 32 48.6	632.5948	0.4992540	Berberich.
188 14 55.0	21 30 55.0	10 6 59.0	970.4600	0.3753527	A. Leman.
63 10 51.0	4 35 55.0	9 14 4.3	625.17474	0.5026701	Berberich.
176 14 1.0	9 51 39.6	3 56 39.0	544.1827	0.5428412	Matthiessen.
352 27 26.5	4 23 34.1	6 1 26.9	617.91149	0.506054	Schulhof.
4 42 21.8	8 1 1.3	17 12 53.0	801.8088	0.4306238	v. d. Groeben.
57 14 3.9	5 59 12.9	4 32 38.7	785.37505	0.436620	Sternberg.
306 39 51.1	4 56 20.2	5 58 35.2	849.4712	0.4139053	Holetschek.
324 13 23.0	2 37 9.3	7 25 29.0	934.8048	0.3861905	Tietjen.
123 16 37.7	5 2 22.2	5 2 16.2	968.91086	0.3758152	W. Luther.
164 40 55.6	4 53 53.8	7 55 32.6	810.5220	0.4274945	Anton.
309 19 50.6	11 35 36.3	11 5 7.8	966.3219	0.3765898	Watson.
64 42 11.5	3 35 10.3	7 57 30	769.3736	0.4425795	H. Oppenheim.
349 41 19.0	14 56 21.2	1 31 51.9	685.2178	0.4761187	Tietjen.
47 40 5.0	7 46 40.4	9 27 2.0	932.77693	0.386819	Holetschek.
203 58 4.8	5 44 15.8	4 42 49.9	855.7364	0.4117777	Berberich.
342 45 48.8	7 0 16.6	3 30 1.0	645.4399	0.4934339	Plath.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
121 Hermione . .	Sept. 27	10.4	11.2	6.6	1910 April 22.0	1910.0	222 43 6.5	285 25 49.8
122 Gerda	Juli 17	11.5	11.5	7.2	1911 Mai 7.0	1910.0	24 32 10.8	11 7 46.8
123 Brunhild . .	Sept. 4	11.7	11.8	8.5	1898 Juni 23.0	1910.0	210 35 25.0	122 14 17.2
124 Alkeste . . .	—	—	10.3	7.1	1890 Dez. 2.0	1910.0	180 26 7.9	58 14 32.3
125 Liberatrix. .	Juni 2	10.8	11.2	7.8	1897 Jan. 19.0	1910.0	202 46 5.6	104 32 55.5
126 Velleda . . .	Febr. 17	12.3	11.5	8.8	1899 Dez. 15.0	1910.0	81 58 56.5	325 47 25.0
127 Johanna . .	Juli 13	10.9	10.5	7.1	1890 Okt. 3.0	1910.0	251 23 46.9	90 26 21.5
128 Nemesis . .	Juli 11	10.5	10.6	7.2	1911 April 21.5	1910.0	189 5 0	300 34 0.1
129 Antigone . .	Febr. 18	10.1	10.3	6.6	1897 Jan. 19.0	1910.0	253 10 0.2	103 42 26.3
130 Elektra . . .	März 22	11.5	10.6	6.5	1898 Aug. 22.0	1910.0	337 5 55.3	233 46 1.6
131 Vala	Okt. 20	12.6	12.2	9.5	1898 Dez. 20.0	1910.0	288 37 28.9	155 56 24.1
132 Aethra . . .	—	—	10.9	8.0	1895 Nov. 30.5	1910.0	330 47 37.2	252 14 56.3
133 Cyrene . . .	Dez. 14	12.0	11.3	7.3	1898 Jan. 14.0	1910.0	280 4 53.4	283 57 33.7
134 Sophrosyne .	Febr. 28	11.0	11.1	8.1	1912 Febr. 11.0	1910.0	72 37 16.0	82 8 34.1
135 Hertha . . .	März 18	11.8	10.5	7.8	1898 Okt. 1.0	1910.0	33 3 56.2	337 7 56.5
136 Austria . . .	März 19	11.6	11.2	8.9	1898 März 15.0	1910.0	211 14 20.2	130 28 54.5
137 Meliboea . .	März 2	12.5	11.8	7.7	1898 Nov. 10.0	1910.0	80 12 0.8	105 35 51.7
138 Tolosa . . .	April 13	12.0	11.8	9.1	1909 Sept. 20.5	1910.0	27 13 0	258 3 38.4
139 Juewa. . . .	Dez. 33	10.4	10.9	7.4	1898 Nov. 30.0	1910.0	299 0 11.9	162 8 50.0
140 Siwa	Jan. 1	12.4	11.4	8.0	1910 Febr. 16.0	1910.0	358 21 3.0	194 40 43.2
141 Lumen . . .	Sept. 5	10.1	11.4	8.2	1890 Aug. 24.0	1910.0	321 2 54.7	54 13 35.4
142 Polana . . .	—	—	12.2	9.5	1896 Dez. 10.0	1910.0	211 12 47.7	289 58 40.0
143 Adria	März 17	12.1	12.4	9.0	1891 Okt. 18.0	1910.0	160 45 41.3	248 47 46.1
144 Vibilia . . .	Jan. 19	10.9	10.7	7.5	1888 Juli 18.0	1910.0	289 54 28.9	290 45 10.7
145 Adeona . . .	Dez. 25	10.5	11.3	8.1	1898 Aug. 22.0	1910.0	240 12 41.7	40 33 3.5
146 Lucina . . .	Okt. 16	11.4	11.1	7.7	1898 Aug. 2.0	1910.0	89 1 10.2	140 57 36.7
147 Protogeneia .	Febr. 26	12.7	12.5	8.4	1898 Sept. 11.0	1910.0	348 52 58.8	122 45 45.6
148 Gallia	Sept. 12	10.1	11.0	7.5	1910 April 2.0	1910.0	135 1 22.3	251 2 43.2
149 Medusa . . .	Jan. 27	12.0	12.9	10.0	1910 Juli 31.0	1910.0	262 49 18.4	249 52 9.4
150 Nuwa	—	—	11.6	7.7	1893 März 1.0	1910.0	155 36 25.8	146 41 42.7
151 Abundantia	Sept. 14	12.1	11.9	8.8	1898 März 15.0	1910.0	9 18 20.9	130 21 2.4
152 Atala	Juni 3	12.6	12.2	8.1	1911 März 28.5	1910.0	92 16 0.0	42 56 33.6
153 Hilda	Juni 4	11.8	12.6	7.3	1911 März 28.0	1910.0	285 17 29.0	54 13 51.1
154 Bertha . . .	März 27	10.8	11.2	7.0	1910 Dez. 18.0	1910.0	260 14 33.6	164 40 8.3
155 Scylla	—	—	13.5	9.8	1875 Nov. 8.5	1910.0	339 4 47	39 9 57
156 Xanthippe .	—	—	11.3	7.9	1903 Jan. 29.0	1900.0	210 16 9.4	334 33 43.4
157 Dejanira . .	Okt. 21	13.3	13.7	10.6	1904 Nov. 17.5	1904.0	330 35 43.9	45 39 12.1
158 Koronis . . .	Juli 3	12.5	12.3	8.7	1898 Aug. 22.0	1910.0	278 50 53.8	138 43 15.9
159 Aemilia . . .	Aug. 1	12.7	12.3	8.2	1897 Dez. 5.0	1910.0	324 40 17.3	331 52 54.3
160 Una	Febr. 18	11.8	11.8	8.4	1897 Dez. 25.0	1910.0	33 30 8.8	46 47 30.1

☊	*i*	*φ*	*μ*	Log. *a*	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
75 41 3.6	7 33 28.8	8 15 19.1	555.12285	0.5370783	Berberich.
178 46 22.6	1 36 36.0	3 11 10.4	614.37381	0.507714	Lange.
308 38 28.5	6 25 27.6	7 1 21.7	802.5894	0.4303421	Berberich.
188 37 15.4	2 55 29.2	4 27 41.2	832.2976	0.4198186	Hall sen.
169 36 18.8	4 37 57.0	4 29 45.0	780.9349	0.4382611	Lange.
23 27 7.7	2 56 26.5	6 3 52.3	931.5192	0.3872099	Heuer.
31 53 43.8	8 15 42.7	3 47 29.9	775.8987	0.4401344	Maywald.
76 45 7.8	6 15 8.3	7 13 52.8	778.0624	0.4393281	de Ball.
137 58 12.8	12 10 1.8	12 15 18.0	730.5585	0.4575677	Austin.
146 16 41.6	22 58 1.8	12 29 21.9	646.4298	0.4929901	Powalky.
65 37 21.8	4 57 47.1	3 51 52.5	935.8550	0.3858654	Berberich.
260 11 30.0	23 32 20.0	19 21 13.8	903.6882	0.3959920	W. Luther.
321 25 52.7	7 13 50.2	8 2 47.1	662.6045	0.4858348	v. d. Groeben.
346 13 22.6	11 35 32.6	6 41 35.3	864.812	0.408724	Maywald.
344 13 36.6	2 18 34.4	11 45 17.6	937.0637	0.3854917	Maywald.
186 20 58.5	9 33 12.0	4 52 0.8	1025.7532	0.3593092	H. Oppenheim.
203 47 40.2	13 21 7.8	12 46 22.0	645.4607	0.4934245	Lange.
54 53 56.5	3 13 22.0	9 20 0.0	924.9117	0.3892709	v. d. Groeben.
2 33 1.8	10 55 19.7	9 57 48.4	764.0768	0.4445797	Berberich.
107 10 19.2	3 11 21.2	12 29 27.4	785.1904	0.4366877	v. d. Groeben.
319 28 26.5	11 58 39.3	12 16 57.4	814.6615	0.4260196	Berberich.
292 1 39.9	2 14 29.1	7 44 10.6	943.5246	0.3835023	L. Becker.
333 54 46.0	11 30 13.3	4 8 20.2	773.3958	0.4410699	von Haerdtl.
77 1 15.3	4 48 16.9	13 28 14.3	819.4849	0.4243104	Powalky.
77 55 52.9	12 41 10.3	8 24 20.6	812.2212	0.4268882	Tietjen.
84 26 43.8	13 5 8.8	3 39 14.6	791.4186	0.4344003	Berberich.
251 21 33.7	1 54 15.5	2 2 8.6	638.8069	0.4964247	L. Becker.
145 15 21.7	25 19 6.9	10 34 1.9	767.77183	0.4432035	L. Becker.
158 47 35.8	0 55 46.4	3 52 47.6	1106.37588	0.3374026	Lange.
207 50 0.6	2 8 18.4	7 20 7.3	689.2534	0.474418	H. Oppenheim.
39 1 12.0	6 28 21.2	2 10 51.3	850.1245	0.4136827	Riem.
41 5 0.5	12 13 21.2	4 12 12.4	637.2000	0.4971539	Lange.
228 20 11.4	7 51 56.0	9 19 1.0	449.45588	0.598213	Kühnert.
37 7 16.3	20 58 23.8	5 2 23.5	624.40618	0.5030263	Anton.
43 20 30	14 4 31	14 49 28	713.7875	0.464292	Schulhof.
242 43 10.3	9 39 1.8	12 55 24.2	785.6858	0.436505	Ebell.
62 9 28.7	12 5 20.1	11 30 39.9	856.508	0.411518	Sternberg.
281 12 13.9	1 0 0.7	3 17 38.9	730.4848	0.4575969	Maywald.
135 12 3.7	6 4 55.0	5 37 45.9	647.4107	0.492551	Berberich.
9 24 54.3	3 51 22.4	3 45 8.1	787.7290	0.435753	P. Neugebauer.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
161 Athor	Febr. 6	11.8	11.0	8.4	1896 Dez. 30.0	1910.0	142° 39′ 1.6″	291° 48′ 34.3″
162 Laurentia . .	Jan. 25	11.3	12.3	8.4	1899 Sept. 6.0	1910.0	215 30 54.3	106 2 42.9
163 Erigone . . .	Febr. 21	10.7	11.5	9.0	1907 Nov. 4.0	1910.0	334 40 45.7	295 29 18.5
164 Eva	—	—	11.5	8.3	1910 Juni 1.0	1910.0	274 53 39.9	282 17 32.6
165 Loreley . . .	—	—	11.1	7.0	1911 Dez. 25.5	1910.0	167 9 0	342 30 12.7
166 Rhodope . . .	Dez. 29	11.8	12.5	9.2	1911 Juli 18.5	1910.0	287 18 36	261 28 49.8
167 Urda	—	—	13.0	9.4	1898 Jan. 14.0	1910.0	197 17 5.7	121 7 43.9
168 Sibylla	Juni 25	11.7	11.6	7.1	1911 April 22.5	1910.0	190 20 0	174 26 31.9
169 Zelia	Aug. 19	10.4	11.3	8.8	1890 Aug. 4.0	1910.0	328 1 8.3	332 10 48.8
170 Maria	Okt. 10	12.7	11.7	8.7	1910 März 13.0	1910.0	66 0 9.6	156 19 5.9
171 Ophelia . . .	Juni 22	12.5	12.1	8.0	1911 März 31.5	1910.0	27 40 0	50 27 33.1
172 Baucis	Dez. 6	10.6	10.4	7.8	1889 Juni 30.0	1910.0	316 43 41.4	356 48 28.3
173 Ino	April 20	12.0	11.0	7.6	1897 Jan. 19.0	1910.0	71 13 19.6	224 39 41.9
174 Phaedra . . .	Dez. 4	12.4	11.6	8.0	1897 Okt. 6.0	1910.0	129 24 10.1	286 21 18.9
175 Andromache	Okt. 26	11.7	12.3	8.0	1911 Juli 6.0	1910.0	324 12 39.8	305 10 49.0
176 Idunna . . .	—	—	12.1	7.9	1910 Juli 11.0	1910.0	271 34 16.1	182 41 34.5
177 Irma	April 11	13.6	12.4	9.0	1897 Jan. 19.0	1910.0	71 42 48.0	33 16 9.9
178 Belisana . . .	Dez. 5	12.2	12.0	9.2	1910 März 13.0	1910.0	273 56 20.5	212 28 52.4
179 Klytæmnestra	Aug. 17	10.9	11.5	7.7	1897 Okt. 6.0	1910.0	14 32 37.3	100 30 2.0
180 Garumna . .	Okt. 3	13.5	13.3	9.9	1899 Nov. 5.0	1910.0	308 53 34.6	169 12 38.1
181 Eucharis . .	Mai 11	12.1	11.5	7.4	1887 Okt. 19.0	1910.0	305 49 36.6	310 26 20.5
182 Elsa	März 15	11.3	11.0	8.3	1897 März 20.0	1910.0	102 51 45.1	308 16 41.4
183 Istria	Mai 10	14.3	12.6	9.1	1900 Dez. 10.0	1910.0	15 39 20.2	262 21 44.2
184 Dejopeja . . .	Febr. 13	12.2	12.4	8.2	1910 Dez. 18.0	1910.0	244 34 37.1	217 10 44.9
185 Eunike . . .	Okt. 21	9.8	10.0	6.6	1889 Aug. 29.0	1910.0	328 9 2.3	221 34 37.8
186 Celuta	Nov. 17	11.3	11.4	8.9	1897 Aug. 27.0	1910.0	2 39 38.6	313 36 27.2
187 Lamberta . .	Nov. 27	12.3	11.4	8.0	1897 Aug. 27.0	1910.0	94 42 30.1	192 2 46.6
188 Menippe . . .	—	—	13.0	9.6	1897 Sept. 1.0	1910.0	23 1 52.2	66 36 36.3
189 Phthia	Juli 22	11.5	11.5	8.8	1900 Mai 24.0	1910.0	234 17 27.2	166 0 10.0
190 Ismene . . .	Febr. 6	11.2	12.0	6.7	1910 Nov. 8.0	1910.0	327 17 17.8	286 44 42.4
191 Kolga	Juli 25	11.9	12.0	8.3	1897 Juli 18.0	1910.0	271 52 28.4	224 21 12.1
192 Nausikaa . .	Jan. 14	9.6	9.3	6.7	1888 Juli 25.0	1910.0	324 20 18.4	27 40 24.5
193 Ambrosia . .	—	—	12.2	9.2	1879 März 25.5	1910.0	68 48 35.8	79 36 55.8
194 Prokne . . .	Jan. 24	11.7	10.5	7.4	1899 Jan. 29.0	1910.0	130 9 24.2	160 37 18.4
195 Eurykleia . .	—	—	12.6	8.9	1896 Nov. 20.0	1910.0	289 6 21.8	118 7 2.1
196 Philomela . .	März 30	10.4	10.3	6.3	1901 April 9.0	1910.0	240 25 11.6	237 19 45.5
197 Arete	Nov. 20	12.6	12.7	9.3	1900 Jan. 24.0	1910.0	134 40 9.5	243 28 47.4
198 Ampella . . .	Jan. 11	11.4	11.1	8.3	1910 Juli 31.0	1910.0	314 11 54.5	88 1 12.0
199 Byblis	März 14	12.3	12.4	8.2	1909 Nov. 13.0	1910.0	138 47 14.4	171 8 9.7
200 Dynamene . .	—	—	11.3	7.9	1888 Juli 25.0	1910.0	277 46 23.8	82 43 1.3

☊	i	φ	μ	Log. a	Autorität
18° 48′ 52.5″	9° 3′ 17.7″	7° 57′ 23.4″	967.″0645	0.3763675	Tietjen.
38 16 1.8	6 5 6.0	10 31 5.3	676.5719	0.4797951	Tietjen.
160 15 7.2	4 46 38.3	11 1 54.1	974.2162	0.3742342	Berberich.
77 25 24.6	24 20 38.1	20 22 0.7	830.75127	0.4205237	Richter.
304 11 19.1	11 12 5.0	3 54 10.6	639.5300	0.4960971	Samter.
129 39 27.9	12 1 54.8	12 13 13.9	806.7683	0.4288385	Richter.
166 38 10.8	2 10 45.6	1 59 3.7	736.5954	0.4551851	Lange.
209 23 56.1	4 36 6.5	4 21 54.0	571.6864	0.5285658	v. d. Groeben.
354 58 8.5	5 30 51.2	7 31 33.7	979.6462	0.3726249	Richter.
301 23 56.1	14 21 9.7	3 38 8.4	868.72749	0.4074153	Lange.
101 3 53.7	2 33 12.1	6 53 0.0	637.0859	0.497205	Berberich.
332 11 35.0	10 2 10.4	6 32 18.8	965.9899	0.3766893	Berberich.
148 53 6.9	14 15 36.8	11 51 44.6	780.8006	0.4383110	Becka.
328 48 32.4	12 6 32.9	8 23 43.8	734.0156	0.456201	H. Oppenheim.
25 6 47.1	3 10 47.0	10 44 57.0	610.1721	0.5097029	Berberich.
200 57 12.2	22 43 20.2	10 16 21.6	628.26359	0.5012431	P. Neugebauer.
349 34 1.8	1 26 55.3	13 32 58.0	768.8406	0.4427802	Richter.
51 1 8.7	1 54 28.5	2 34 36.4	919.16707	0.3910715	Berberich.
253 20 50.4	7 47 52.8	6 37 0.0	692.8578	0.472908	H. Oppenheim.
314 50 1.1	0 53 40.8	9 46 17.7	790.4612	0.4347507	v. d. Groeben.
145 7 22.1	18 35 23.6	12 40 26.5	643.5438	0.4942856	de Ball.
106 46 38.9	2 10 9.1	10 50 51.9	944.5132	0.3831990	Samter.
142 54 44.3	26 25 59.5	20 27 8.2	760.4634	0.4459522	Petrelius.
333 48 39.4	1 9 53.4	3 28 22.0	622.48092	0.5039204	Thraen.
154 3 8.4	23 14 21.7	7 11 14.1	782.8522	0.4375512	Bauschinger.
14 43 53.5	13 11 11.6	8 41 21.3	977.5884	0.3732337	Tietjen.
22 22 32.4	10 41 24.8	13 36 43.5	785.6152	0.4365311	A. Leman.
241 56 25.8	11 44 36.3	10 15 28.9	772.712	0.441326	Coniel.
203 32 11.1	5 8 54.2	2 4 18.4	924.2246	0.3894861	H. Oppenheim.
177 0 17.4	6 8 17.0	9 38 10.0	453.68733	0.5955000	Küstner.
159 59 7.7	11 29 25.6	5 13 5.0	720.0541	0.4617609	L. Becker.
343 33 25.4	6 51 40.6	14 9 22.7	952.4502	0.3807762	Lange.
351 40 33.1	11 38 46.5	16 34 52.0	858.2960	0.410913	A. Leman.
159 29 8.2	18 25 4.9	13 50 55.7	839.1447	0.4174465	Tietjen.
7 52 26.6	7 0 9.8	2 25 31.9	727.0481	0.4589623	Riem.
73 27 31.0	7 17 1.5	1 13 48.1	646.0377	0.4931658	P. V. Neugebauer.
82 10 10.5	8 49 20.8	9 22 12.5	782.6498	0.4376261	Lange.
268 24 5.6	9 18 6.5	13 8 54.7	920.04801	0.3907974	v. d. Groeben.
89 40 27.7	15 24 49.2	10 31 43.7	630.79505	0.5000789	Tietjen.
325 35 38.5	6 54 46.3	7 41 20.4	783.6017	0.4372741	Bauschinger.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
201 Penelope . .	Jan. 25	12.6	11.9	8.6	1897 Nov. 15.0	1910.0	53 1 33.0	177 43 4.8
202 Chryseïs . .	Nov. 11	10.7	10.7	6.7	1901 Okt. 26.0	1900.0	266 57 1.8	354 20 29.1
203 Pompeja . .	—	—	11.7	8.3	1909 April 22.5	1910.0	163 4 0	53 43 25.2
204 Kallisto . . .	Febr. 3	12.3	12.0	8.7	1888 Nov. 2.0	1910.0	140 55 19.4	51 16 26.1
205 Martha . . .	Dez. 23	13.1	12.7	9.2	1886 Febr. 26.0	1910.0	139 40 10.2	172 8 41.4
206 Hersilia . . .	—	—	12.0	8.6	1910 Juli 15.5	1910.0	214 38 0	300 24 35.6
207 Hedda . . .	März 8	11.7	11.8	9.5	1898 Febr. 3.0	1910.0	280 15 16.2	190 38 50.0
208 Lacrimosa . .	Juni 17	12.1	12.1	8.4	1901 Febr. 28.0	1900.0	48 1 1.4	105 15 3.3
209 Dido	Sept. 16	11.7	11.5	7.4	1897 Dez. 25.0	1910.0	222 32 56.9	249 39 35.2
210 Isabella . . .	Jan. 17	12.2	12.5	9.1	1901 Sept. 16.0	1900.0	308 49 2.6	11 45 5.7
211 Isolda	—	—	11.5	7.5	1895 Nov. 26.0	1910.0	1 10 15.0	170 41 36.4
212 Medea	—	—	12.2	8.1	1899 Juli 28.0	1910.0	276 2 57.4	101 16 7.9
213 Lilaea	März 1	12.0	11.7	8.3	1909 Sept. 21.5	1910.0	60 42 50.0	158 35 27.9
214 Aschera . . .	Dez. 10	12.0	12.1	9.0	1897 April 9.0	1910.0	72 5 59.3	128 5 43.8
215 Oenone . . .	März 28	12.9	12.7	9.3	1891 Nov. 7.0	1910.0	55 43 48.8	314 6 30.5
216 Kleopatra . .	Febr. 18	10.6	10.1	6.6	1910 Okt. 7.5	1910.0	346 26 5.2	176 51 54
217 Eudora . . .	Febr. 1	14.6	13.1	9.5	1912 Febr. 2.5	1910.0	177 50 0	150 32 44.9
218 Bianca . . .	—	—	11.4	8.2	1910 Juli 15.5	1910.0	50 15 33	58 48 58.8
219 Thusnelda .	Juni 7	10.9	11.2	8.8	1889 Jan. 21.0	1910.0	130 33 20.7	140 3 44.8
220 Stephania . .	—	—	13.6	11.0	1887 Jan. 0.5	1910.0	131 12 41.6	75 7 33.9
221 Eos	—	—	11.3	7.4	1898 März 15.0	1910.0	201 46 0.0	188 0 19.7
222 Lucia	Okt. 9	13.2	12.9	8.8	1899 März 30.0	1910.0	304 15 56.6	175 35 51.9
223 Rosa	Sept. 27	13.3	13.3	9.2	1891 Dez. 17.0	1910.0	333 23 9.3	58 28 30.7
224 Oceana . . .	März 22	11.7	11.7	8.5	1890 Febr. 5.0	1910.0	225 24 48.8	276 55 27.0
225 Henrietta . .	Jan. 29	13.9	12.7	8.2	1903 Nov. 5.0	1910.0	88 41 26.8	97 37 49.8
226 Weringia . .	Febr. 19	13.7	13.0	9.7	1891 Aug. 19.0	1910.0	30 52 14.2	150 8 45.9
227 Philosophia .	Dez. 19	13.5	12.9	8.7	1896 Dez. 10.0	1910.0	283 51 33.6	254 29 42.9
228 Agathe . . .	Dez. 30	15.2	14.5	12.4	1892 Nov. 21.5	1910.0	49 45 10.8	16 2 37.2
229 Adelinda . .	April 19	13.8	13.5	8.9	1908 Okt. 26.5	1910.0	51 30 54.4	303 18 41.0
230 Athamantis .	Dez. 5	10.1	10.3	7.7	1897 Okt. 26.0	1910.0	11 22 17.7	137 12 47.9
231 Vindobona .	Sept. 21	12.4	12.4	8.6	1898 Nov. 10.0	1910.0	164 53 38.2	263 38 46.4
232 Russia . . .	Mai 11	12.4	13.4	10.4	1901 Sept. 16.0	1910.0	159 56 8.4	48 35 13.8
233 Asterope . .	—	—	11.3	8.1	1897 Aug. 27.0	1910.0	353 18 46.2	122 35 34.5
234 Barbara . . .	Mai 8	11.9	11.7	9.1	1898 Okt. 21.0	1910.0	33 57 10.0	190 6 58.4
235 Carolina . .	Okt. 22	12.2	12.2	8.5	1897 Sept. 16.0	1910.0	73 32 29.3	207 24 29.7
236 Honoria . . .	April 4	12.3	11.4	7.9	1890 Aug. 20.5	1910.0	341 11 56.1	170 30 20.7
237 Coelestina . .	Juli 31	11.5	12.8	9.4	1911 März 22.5	1910.0	275 30 0	196 24 38.6
238 Hypatia . . .	April 1	12.2	11.7	8.0	1900 Dez. 10.0	1910.0	54 45 6.4	207 2 40.9
239 Adrastea . .	Febr. 14	14.6	14.0	10.2	1900 Dez. 10.0	1910.0	26 23 21.4	206 1 9.9
240 Vanadis . .	Jan. 28	12.0	12.5	9.3	1901 Juli 18.0	1910.0	262 20 34.3	298 17 15.6

☊			i			φ			μ	Log. a	Autorität
°	′	″	°	′	″	°	′	″	″		
157	17	30.2	5	43	18.9	10	25	23.2	809.8362	0.4277396	Bauschinger.
137	45	45.4	8	49	13.8	6	0	29.7	659.7604	0.4870802	Berberich.
348	46	40.3	3	12	19.7	3	28	22.8	783.8434	0.4371849	Berberich.
206	2	34.8	8	17	3.5	9	51	34.4	812.2343	0.4268835	Palisa.
212	34	39.7	10	39	53.8	1	54	54.4	765.9190	0.4438825	Küstner.
145	33	33.3	3	45	25.4	2	19	59.5	781.8154	0.437935	Stechert.
29	5	52.3	3	49	3.8	1	39	3.3	1027.9888	0.3586788	Richter.
5	26	27.5	1	47	19.2	0	52	56.3	721.4077	0.4612172	Berberich.
2	8	19.7	7	14	33.2	3	46	48.4	636.9842	0.4972519	Bauschinger.
33	4	45.2	5	17	20.7	7	0	36.5	790.2203	0.4348389	Berberich.
265	28	46.4	3	52	0.2	9	15	38.8	668.6056	0.4832244	Bauschinger.
315	15	56.5	4	16	54.7	6	40	42.2	647.3973	0.4925571	L. Becker.
122	36	4.4	6	46	27.7	8	19	49.1	777.0010	0.4397233	A. Leman.
342	41	30.4	3	27	38.3	1	55	49.3	841.5265	0.416626	Tietjen.
25	28	14.6	1	43	23.1	2	1	15.5	771.4115	0.4418137	Bauschinger.
216	8	54.0	13	2	22.4	14	46	20.1	759.2003	0.4464335	Knopf.
164	9	28.1	10	15	31.0	17	38	25.1	727.0438	0.4589640	Richter.
171	10	12.2	15	12	11.0	6	36	19.6	814.1875	0.4261881	Bauschinger.
201	5	2.9	10	47	16.8	12	54	38.9	982.2924	0.3718439	Darmer.
258	52	26.3	7	34	13.7	14	53	43.7	984.634	0.371154	Bidschof.
142	45	34.4	10	50	59.6	5	34	47.1	677.3539	0.4794607	Bauschinger.
80	27	34.3	2	10	50.4	8	27	37.6	640.9934	0.4954353	Berberich.
48	48	2.4	1	58	46.6	6	57	0.4	652.9855	0.4900687	Bauschinger.
353	39	57.4	5	52	27.9	2	25	51.0	824.6755	0.4224824	S. Oppenheim.
200	52	24.6	20	41	56.1	15	18	16.8	567.5897	0.530647	Cerulli.
135	39	6.7	15	49	30.5	11	43	4.3	793.2109	0.433745	Kreutz.
331	9	43.9	9	15	0.1	12	2	39.9	637.0300	0.4972311	Lange.
313	44	55.4	2	33	21.6	13	55	0.2	1086.2400	0.3427205	Kreutz.
30	53	4.5	2	9	24.8	8	11	15.6	561.4628	0.5337904	Berberich.
239	53	16.0	9	25	11.6	3	32	52.8	964.9093	0.3770134	Richter.
352	24	25.6	5	8	18.5	8	56	36.2	711.1049	0.4653820	Lange.
152	33	31.6	6	4	17.4	9	51	22.1	869.5956	0.4071263	v. d. Groeben.
222	40	10.4	7	39	4.5	5	49	43.8	817.9445	0.4248552	Knopf.
144	25	8.3	15	21	14.2	14	7	1.5	962.6609	0.3776889	Tietjen.
66	42	2.0	9	4	3.2	3	31	18.9	725.2712	0.4596708	Tietjen.
186	49	0.9	7	36	48.4	10	54	45.4	758.1024	0.446853	Bidschof.
84	44	24.1	9	45	48.7	4	1	30.3	772.4775	0.4414139	Schwarz.
184	35	15.0	12	23	12.7	5	10	15.7	715.9041	0.463434	Berberich.
181	39	47.0	6	9	4.0	13	26	21.7	693.1222	0.472798	Berberich.
114	55	52.6	2	5	52.9	11	54	32.0	814.7587	0.4259851	Berberich.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M			ω		
							°	′	″	°	′	″
241 Germania . .	—	—	11.2	7.2	1912 Dez. 27.0	1910.0	119	39	15.2	76	3	58.5
242 Kriemhild . .	Juli 27	13.3	12.6	9.0	1911 Mai 21.5	1910.0	97	30	0	274	28	16.5
243 Ida	Juli 16	13.5	13.3	9.7	1898 Sept. 11.0	1910.0	276	49	8.8	104	57	1.6
244 Sita	Mai 11	14.3	13.7	11.7	1900 Okt. 11.0	1910.0	6	50	18.3	164	28	0.7
245 Vera	—	—	12.5	8.5	1897 März 20.0	1910.0	141	1	15.6	326	20	12.9
246 Asporina . .	Mai 6	11.2	11.7	8.4	1890 Jan. 16.0	1910.0	316	40	26.7	94	5	7.1
247 Eukrate . . .	März 3	11.0	11.0	7.6	1912 März 2.0	1910.0	74	21	10.3	53	35	4.2
248 Lameia . . .	April 30	12.6	13.0	10.2	1905 Aug. 6.0	1910.0	71	44	12.3	1	2	34.4
249 Ilse	—	—	13.6	11.1	1904 Dez. 29.0	1910.0	69	11	14.1	39	42	30.4
250 Bettina . . .	Juli 5	12.1	11.5	7.3	1897 Nov. 15.0	1910.0	332	3	32.7	66	3	47.2
251 Sophia . . .	Sept. 1	13.8	13.6	9.6	1910 April 11.5	1910.0	106	35	0	288	20	55.2
252 Clementina .	Juli 6	12.8	13.0	8.8	1901 Juli 18.0	1910.0	317	26	58.9	148	50	33.1
253 Mathilde . .	—	—	13.4	10.2	1901 April 9.0	1910.0	256	52	2.1	153	38	18.0
254 Augusta . .	April 15	12.9	13.4	11.3	1887 Juli 31.0	1910.0	101	27	54.0	230	49	10.4
255 Oppavia . .	—	—	13.8	10.4	1904 März 14.5	1910.0	16	5	0	149	5	37
256 Walpurga . .	März 28	12.9	13.2	9.3	1906 Febr. 2.0	1910.0	254	22	31.1	48	28	9.1
257 Silesia	—	—	12.8	8.7	1902 April 4.0	1910.0	106	36	49.5	25	21	31.9
258 Tyche	Juni 29	10.7	11.1	8.0	1904 Okt. 10.0	1900.0	4	23	24.3	152	52	26.8
259 Aletheia . .	Jan. 1	12.6	12.1	8.0	1899 Nov. 25.0	1910.0	162	11	23.4	156	52	33.7
260 Huberta . .	Okt. 15	13.3	13.9	9.2	1900 Dez. 10.0	1910.0	92	3	1.9	163	58	5.7
261 Prymno . . .	—	—	11.5	9.0	1897 Nov. 15.0	1910.0	275	46	24.4	63	7	47.9
262 Valda	Febr. 13	13.6	14.1	11.1	1901 Mai 19.0	1910.0	189	4	51.8	22	36	56.6
263 Dresda . . .	—	—	13.3	9.6	1903 Febr. 18.0	1910.0	133	51	41.8	158	3	22.8
264 Libussa . . .	März 31	12.8	12.1	8.6	1895 Aug. 18.0	1910.0	316	59	55.7	336	41	5.1
265 Anna	Dez. 43	14.3	13.8	11.1	1910 Juni 21.0	1910.0	22	57	59.1	251	12	25.8
266 Aline	Nov. 23	10.9	11.7	8.2	1904 Jan. 4.0	1900.0	65	48	59.9	147	50	13.7
267 Tirza	Dez. 17	14.5	14.0	10.5	1901 Juni 28.0	1910.0	4	14	46.5	193	22	52.6
268 Adorea . . .	—	—	12.5	8.5	1903 Mai 29.0	1910.0	41	9	17.0	58	53	55.4
269 Justitia . . .	Juli 2	11.3	12.7	9.6	1900 Okt. 31.0	1910.0	91	35	3.3	115	31	13.2
270 Anahita . . .	März 17	11.7	11.0	8.9	1910 Nov. 28.0	1910.0	69	42	14.1	78	32	57.1
271 Penthesilea .	Juni 29	12.9	12.8	8.9	1902 Aug. 22.0	1910.0	303	17	6.1	49	19	54.7
272 Antonia . . .	Mai 10	13.6	13.6	10.1	1899 Juli 28.0	1910.0	208	59	58.9	65	32	12.4
273 Atropos . . .	Dez. 5	12.5	11.6	9.0	1910 Febr. 2.5	1910.0	227	57	25.0	118	51	48.0
274 Philagoria .	Nov. 23	14.1	13.6	9.6	1905 Juli 17.0	1910.0	81	26	30.7	114	39	38.8
275 Sapientia . .	Juli 19	12.4	12.0	8.5	1902 April 24.0	1910.0	36	26	14.9	31	7	20.2
276 Adelheid . .	Sept. 14	12.0	11.8	7.7	1905 Mai 18.0	1910.0	118	0	50.3	272	32	19.8
277 Elvira	März 19	13.5	13.1	9.4	1907 März 9.0	1910.0	156	48	17.8	131	37	27.2
278 Paulina . . .	Sept. 23	13.4	12.7	9.3	1906 April 23.0	1910.0	4	42	43.8	137	20	17.4
279 Thule	Mai 28	13.6	13.8	8.1	1907 Dez. 6.5	1910.0	121	15	55.9	234	27	55.0
280 Philia	Juli 18	14.9	14.4	10.6	1900 Febr. 13.0	1910.0	39	45	20.2	80	58	25.3

☊	i	φ	μ	Log. a	Autorität
271° 51′ 50.7″	5° 29′ 58.8″	5° 46′ 33.2″	665.97100″	0.4843675	W. Luther.
208 16 16.8	11 16 52.0	7 5 15.3	732.9031	0.4566401	Herz.
326 14 27.5	1 9 23.6	2 43 0.0	733.1121	0.456558	Berberich.
208 48 21.5	2 49 38.7	7 52 21.3	1106.6025	0.3373433	Berberich.
62 9 21.1	5 11 20.0	11 37 34.2	651.4943	0.4907307	Tietjen.
162 54 3.3	15 37 35.8	6 2 43.0	802.267	0.4304584	Seydler.
0 18 20.2	25 5 0.0	13 59 5.5	782.37585	0.4377275	W. Luther.
246 45 12.4	4 0 52.7	3 40 49.9	913.94026	0.3927259	Berberich.
334 49 30.7	9 40 10.9	12 28 59.5	968.2498	0.3760128	Berberich.
25 44 44.7	12 56 32.7	7 1 38.3	633.85003	0.498680	P. V. Neugebauer.
156 56 53.5	10 29 21.1	5 38 31.8	651.4801	0.4907369	Knopf.
203 12 39.2	9 59 40.2	4 15 39.6	632.1027	0.4994793	Charlois.
180 9 24.1	6 38 16.5	15 28 16.9	824.9747	0.4223773	Knopf.
28 28 40.6	4 32 3.2	6 58 7.6	1091.0836	0.3414323	Schwarz.
14 21 29.6	9 30 42.2	4 39 47.9	779.3955	0.4385694	Berberich.
183 38 34.4	13 17 58.1	3 43 37.0	683.2594	0.4769473	Berberich.
35 41 14.3	3 41 49.7	7 18 8.3	646.6326	0.4928994	Berberich.
207 43 26.2	14 15 2.4	11 52 56.0	838.8243	0.4175571	Stechert.
88 37 4.1	10 42 43.7	6 20 43.1	635.21397	0.4980577	Ernst.
168 3 52.2	6 17 53.3	7 7 16.5	554.7196	0.5372887	v. d. Groeben.
96 28 8.3	3 38 28.6	5 9 55.5	996.7823	0.3676042	Riem.
38 44 43.0	7 44 4.6	12 14 5.8	869.5200	0.4071513	Berberich.
217 47 31.0	1 16 53.0	4 21 32.2	722.5549	0.4607572	v. d. Groeben.
50 12 15.6	10 26 47.1	7 44 47.5	757.7014	0.4470056	Cerulli.
335 26 39.8	25 40 49.0	15 21 12.2	942.0467	0.3839561	Berberich.
236 19 21.7	13 21 1.2	9 1 20.5	755.6505	0.4477904	Berberich.
74 11 19.8	6 1 26.2	5 46 49.5	767.3626	0.4433373	v. d. Groeben.
121 47 54.0	2 25 39.9	7 45 32.6	652.37206	0.4903408	Berberich.
157 37 9.8	5 25 49.2	12 18 39.7	838.9442	0.4175157	Berberich.
254 27 59.2	2 21 38.4	8 38 46.0	1088.54983	0.3421055	Berberich.
337 6 44.8	3 34 52.4	5 47 42.9	679.1966	0.4786741	Knopf.
37 51 15.8	4 28 30.9	1 46 56.3	767.2554	0.4433777	Charlois.
158 42 3.0	20 24 0.0	9 19 0.0	957.1000	0.3793662	Berberich.
93 45 36.1	3 40 53.3	7 7 6.3	669.09610	0.4830121	Berberich.
134 55 18.6	4 44 44.3	9 18 0.2	769.93398	0.4423688	Lange.
211 36 29.4	21 35 30.5	4 7 12.9	645.07018	0.4935998	Hackenberg.
233 17 5.0	1 8 0.1	5 18 42.5	724.6235	0.4599295	Berberich.
62 20 28.0	7 49 44.6	7 47 48.7	776.6491	0.4398545	Berberich.
75 36 14.8	2 22 29.8	4 37 35.7	404.29239	0.6288740	Wedemeyer.
11 25 17.4	7 27 30.5	6 19 13.9	703.8816	0.4683380	Berberich.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M			ω		
							°	′	″	°	′	″
281 Lucretia	Jan. 21	12.8	13.1	11.0	1888 Nov. 2.5	1910.0	353	32	12.5	14	35	2.4
282 Clorinde	Aug. 25	13.4	13.3	10.8	1905 Aug. 26.0	1910.0	277	9	37.1	294	43	20.3
283 Emma	Juni 8	11.7	11.8	7.8	1901 Mai 19.0	1910.0	249	24	18.8	49	52	23.4
284 Amalia	Dez. 16	13.9	12.9	10.4	1905 Dez. 24.0	1910.0	168	23	3.0	55	42	58.7
285 Regina	—	—	14.9	10.9	1889 Aug. 19.5	1910.0	357	36	27.2	12	28	58.7
286 Iclea	Sept. 2	13.2	13.2	9.0	1905 Juni 7.0	1910.0	211	56	51.1	243	11	59.6
287 Nephthys	—	—	10.7	8.2	1899 April 19.0	1910.0	311	52	37.9	117	32	38.4
288 Glauke	—	—	12.5	9.1	1912 Dez. 27.0	1910.0	319	58	6.8	80	9	3.8
289 Nenetta	Sept. 21	11.2	12.5	8.8	1907 Aug. 16.0	1910.0	337	3	13.4	185	22	3.2
290 Bruna	Juni 7	14.3	13.9	11.5	1890 Mai 7.5	1910.0	56	49	22.1	103	32	41.3
291 Alice	—	—	13.6	11.4	1905 Dez. 24.0	1910.0	337	18	6.1	329	28	13.1
292 Ludovica	Dez. 17	12.6	12.5	9.5	1902 April 4.0	1910.0	235	19	43.0	288	11	40.7
293 Brasilia	Dez. 30	12.4	12.9	9.2	1890 Juni 17.5	1910.0	92	28	41.4	82	22	24.6
294 Felicia	Juli 4	12.9	14.3	10.2	1901 Aug. 7.0	1910.0	353	2	17.9	179	28	13.6
295 Theresia	Mai 12	14.3	13.5	10.0	1900 Dez. 10.0	1910.0	8	35	38.2	143	48	50.9
296 Phaëtusa	März 5	14.0	13.3	11.1	1890 Aug. 22.0	1910.0	330	33	11.7	250	4	4.6
297 Caecilia	Juli 1	12.6	13.3	9.1	1906 Juni 2.0	1910.0	300	21	16.8	346	24	30.3
298 Baptistina	—	—	13.5	11.3	1906 Mai 13.0	1910.0	83	33	27.7	132	43	13.3
299 Thora	Juli 5	14.5	14.5	11.7	1903 Jan. 19.5	1910.0	83	26	9.5	147	35	9.9
300 Geraldina	Juli 4	12.3	12.5	8.2	1895 Juli 10.0	1910.0	336	44	54.3	283	3	2.7
301 Bavaria	Sept. 28	12.7	12.7	9.3	1911 Mai 25.5	1910.0	344	23	0	121	19	7.3
302 Clarissa	Juli 31	14.0	13.9	11.2	1901 Sept. 16.0	1910.0	290	56	54.8	53	3	25.3
303 Josephina	—	—	12.0	7.9	1911 Nov. 3.5	1910.0	355	41	27.3	69	6	18.6
304 Olga	—	—	12.4	9.7	1906 Febr. 2.0	1910.0	193	33	14.2	169	45	47.0
305 Gordonia	—	—	12.5	8.4	1905 Okt. 5.0	1910.0	281	49	57.0	250	36	56.1
306 Unitas	—	—	10.7	8.2	1902 März 15.5	1910.0	240	21	9.1	165	31	57.6
307 Nike	Mai 19	13.8	13.1	9.4	1891 März 8.5	1910.0	74	37	11.8	320	29	5.7
308 Polyxo	—	—	11.0	7.6	1902 Nov. 10.0	1910.0	97	52	8.3	108	53	30.4
309 Fraternitas	März 4	13.1	12.7	9.5	1891 Mai 11.5	1910.0	239	5	58.0	332	8	15.9
310 Margarita	—	—	13.5	10.1	1891 Juni 17.5	1910.0	48	49	25.4	320	41	8.3
311 Claudia	Okt. 11	13.1	13.0	9.3	1903 Dez. 15.0	1910.0	301	34	1.6	70	19	52.5
312 Pierretta	Jan. 15	13.2	12.5	9.0	1901 Nov. 15.0	1910.0	149	15	57.6	256	32	46.2
313 Chaldaea	Juni 6	10.7	10.3	7.7	1906 Okt. 20.0	1910.0	272	0	32.8	313	53	31.3
314 Rosalia	Mai 18	14.4	14.0	9.9	1907 Juli 7.0	1910.0	304	32	21.0	185	10	13.6
315 Constantia	—	—	14.0	11.8	1891 Sept. 4.5	1910.0	9	27	44.6	171	22	42.4
316 Goberta	Mai 18	13.9	13.3	9.1	1912 Mai 1.0	1910.0	153	41	0	310	50	0
317 Roxane	Okt. 8	11.7	12.2	9.8	1904 März 24.0	1910.0	223	53	21.1	185	10	51.7
318 Magdalena	April 3	13.4	13.2	9.0	1907 Jan. 8.0	1910.0	139	8	12.8	275	17	8.2
319 Leona	Jan. 30	14.0	14.2	9.7	1912 Jan. 22.0	1910.0	61	25	57.4	216	7	7.9
320 Katharina	Okt. 25	13.6	13.7	9.8	1891 Dez. 2.5	1910.0	23	36	28.6	142	54	14.8

Ω	i	φ	μ	Log. a	Autorität
31° 18′ 2.7″	5° 19′ 37.6″	7° 35′ 40.8″	1097.869″	0.339637	Seydler.
144 47 14.0	9 1 23.8	4 40 42.6	992.0943	0.3689684	Berberich.
305 51 15.2	8 2 29.8	8 46 12.1	668.5906	0.483231	Berberich.
234 2 0.7	8 4 14.3	12 51 34.8	979.7243	0.3726018	Berberich.
312 19 2.3	17 16 57.9	11 55 35.4	661.4827	0.4863254	Charlois.
149 38 59.4	17 53 34.1	0 45 31.4	620.6276	0.5047837	Berberich.
142 13 54.2	10 1 20.1	1 19 35.4	982.6631	0.371735	Cerulli.
121 3 5.8	4 19 56.9	11 48 26.5	773.67046	0.4409670	R. Luther.
182 36 31.3	6 39 22.0	11 44 54.4	728.0006	0.4585832	Berberich.
10 35 19.4	22 13 28.1	15 4 22.7	995.1925	0.368066	S. Oppenheim.
161 7 22.5	1 50 32.2	5 19 14.8	1071.1737	0.3467645	Berberich.
43 13 3.2	14 52 14.6	1 38 57.0	881.5524	0.4031723	Berberich.
62 20 54.1	15 45 20.9	6 48 2.9	730.8370	0.4574574	Charlois.
137 3 38.4	6 14 57.7	14 21 59.6	638.4006	0.4966088	P. V. Neugebauer.
277 34 14.1	2 40 23.3	9 49 31.5	758.6107	0.4466584	Berberich.
121 1 53.2	1 44 47.3	9 6 25.9	1068.122	0.3475906	Coniel.
333 34 56.7	7 34 41.9	7 57 28.4	629.2581	0.5007852	Berberich.
8 7 5.8	6 17 37.4	5 28 22.7	1041.4193	0.3549207	Berberich.
242 2 9.3	1 35 16.8	3 29 25.0	935.125	0.386091	Berberich.
42 21 30.3	0 47 5.4	2 26 41.4	617.2655	0.5063564	Rodin.
142 45 15.3	4 52 38.1	3 42 13.9	789.1302	0.4352386	Berberich.
7 53 21.9	3 26 4.1	6 22 53.8	950.1028	0.3814907	Berberich.
345 6 39.5	6 55 21.3	4 6 42.5	643.78182	0.4941786	Millosevich.
158 53 56.4	15 47 16.1	12 49 46.2	952.9185	0.3806339	Berberich.
211 11 17.9	4 25 2.2	11 33 54.0	654.8993	0.4892213	Berberich.
141 43 35.3	7 15 13.9	8 40 35.6	980.0925	0.372493	Millosevich.
101 43 34.0	6 6 42.4	8 16 29.7	715.9363	0.4634215	Knopf.
182 8 53.0	4 19 54.1	2 13 1.3	778.7887	0.4390579	Berberich.
358 7 59.8	3 56 18.3	5 1 56.0	831.679	0.420034	Berberich.
230 43 26.5	3 5 55.3	6 31 55.2	775.6563	0.440225	Berberich.
81 17 5.5	3 15 43.1	0 51 16.3	720.5678	0.4615545	Berberich.
7 40 39.7	9 5 3.2	9 13 39.5	765.2695	0.4441281	P. V. Neugebauer.
176 40 23.5	11 36 14.2	10 27 16.0	969.4022	0.3756684	Berberich.
171 17 15.6	12 32 21.5	10 26 41.1	634.7188	0.4982835	Berberich.
161 22 12.5	2 24 30.8	9 40 17.9	1057.2646	0.3505486	Bohlin.
124 31 0	2 19 5	7 26 0	623.000	0.5036747	Berberich.
150 50 32.5	1 45 18.0	4 50 38.8	1025.9378	0.3592571	Berberich.
162 48 18.7	10 33 16.4	3 28 42.3	617.57933	0.506210	Mader.
189 3 34.3	10 43 54.5	12 10 30.1	563.02579	0.5329855	Berberich.
221 12 36.2	9 19 16.0	6 41 30.5	678.726	0.478875	Berberich.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
							° ′ ″	° ′ ″
321 Florentina . .	—	—	13.2	9.5	1903 Febr. 18.0	1910.0	72 54 39.7	34 0 40.1
322 Phaeo	März 16	13.5	12.3	8.8	1905 Nov. 14.0	1910.0	38 46 38.3	111 32 54.5
323 Brucia	—	—	13.0	11.0	1892 Jan. 1.5	1891.0	43 0 42	292 17 48
324 Bamberga . .	Okt. 27	7.6	9.9	6.6	1912 Okt. 8.0	1910.0	7 29 36.2	41 30 39.6
325 Heidelberga .	Aug. 25	12.2	12.4	8.1	1912 Aug. 29.0	1910.0	290 21 0.1	75 16 35.0
326 Tamara	—	—	11.1	8.7	1892 März 20.0	1910.0	298 49 14.0	236 57 34.2
327 Columbia . . .	Sept. 19	12.8	13.0	9.5	1905 Febr. 7.0	1910.0	181 23 55.4	300 41 58.1
328 Gudrun	Dez. 23	11.6	12.3	8.2	1906 Okt. 20.0	1910.0	309 12 45.4	102 25 47.4
329 Svea	Juni 8	12.1	12.1	9.3	1901 Aug. 27.0	1910.0	120 9 24.9	38 30 56.3
330 Adalberta . .	—	—	13.5	11.7	1892 März 20.5	1892.0	181 3 42	— — —
331 Etheridgea . .	Febr. 16	12.9	12.5	8.5	1907 Febr. 17.0	1910.0	158 33 59.1	333 35 38.5
332 Siri	Aug. 29	12.0	12.6	9.1	1906 März 14.0	1910.0	223 56 59.9	293 37 55.7
333 Badenia . . .	März 29	13.6	12.7	8.6	1907 April 18.0	1910.0	215 17 59.6	14 14 18.9
334 Chicago	März 15	12.2	12.0	6.8	1908 Sept. 19.0	1910.0	356 5 54.5	240 27 12.1
335 Roberta	Nov. 24	12.2	11.6	8.8	1906 Febr. 2.0	1910.0	205 28 47.7	140 50 43.9
336 Lacadiera . . .	Aug. 14	11.5	11.8	9.6	1902 Juni 23.0	1910.0	49 57 10.9	28 49 41.1
337 Devosa	Jan. 27	10.6	11.4	8.8	1901 Jan. 19.0	1910.0	27 7 6.0	95 40 16.9
338 Budrosa . . .	Okt. 13	12.0	12.1	8.4	1899 Jan. 9.0	1910.0	72 15 37.1	106 31 3.0
339 Dorothea . . .	Juni 23	12.4	12.8	8.8	1906 April 23.0	1910.0	246 3 47.7	155 59 18.6
340 Eduarda . . .	Jan. 15	12.4	12.9	9.5	1906 Nov. 9.0	1910.0	346 36 56.4	39 58 16.1
341 California . . .	Dez. 12	13.6	13.1	11.0	1907 Jan. 28.0	1910.0	172 9 40.7	291 20 59.2
342 Endymion . .	Aug. 17	13.2	12.8	9.8	1906 Febr. 2.0	1910.0	33 2 34.6	221 45 48.4
343 Ostara	Jan. 25	13.0	13.5	10.9	1906 Juni 2.0	1910.0	230 17 35.4	7 5 53.9
344 Desiderata . .	April 24	10.4	11.7	8.5	1907 März 9.0	1910.0	236 59 21.3	233 57 8.8
345 Tercidina . . .	Mai 17	11.6	11.2	8.8	1906 Okt. 20.0	1910.0	304 42 30.8	229 3 10.0
346 Hermentaria .	—	—	11.5	8.0	1899 März 10.0	1910.0	156 0 38.3	287 6 50.9
347 Pariana	Aug. 25	12.7	12.0	8.8	1906 Jan. 13.5	1910.0	309 39 11.0	83 32 9.5
348 May	Okt. 15	12.9	12.9	9.1	1895 Mai 10.0	1910.0	143 12 22.8	4 58 1.5
349 Dembowska .	Dez. 7	9.5	9.8	6.0	1896 Aug. 12.0	1910.0	319 16 56.2	340 30 13.5
350 Ornamenta . .	Juni 11	13.4	12.7	8.6	1907 Juli 7.0	1910.0	240 6 7.0	331 59 51.1
351 Yrsa	März 20	11.6	12.2	8.8	1907 Jan. 28.0	1910.0	354 50 4.6	27 13 3.4
352 Gisela	—	—	12.1	10.0	1904 Juni 12.0	1910.0	255 25 57.5	142 27 24.3
353 Ruperto-Carola	—	—	14.2	10.9	1893 Febr. 22.5	1910.0	44 0 13.0	317 41 4.5
354 Eleonora . . .	Febr. 22	9.3	10.0	6.5	1901 Dez. 5.0	1910.0	303 30 35.7	3 34 23.7
355 Gabriella . . .	Dez. 20	12.4	13.1	10.1	1905 Jan. 2.5	1910.0	12 25 36.0	94 32 55.4
356 Liguria	April 12	11.7	11.0	7.6	1907 Febr. 17.0	1910.0	64 49 7.3	74 23 55.2
357 Ninina	Juli 30	12.0	12.2	8.0	1907 Sept. 18.5	1910.0	340 46 14.9	242 29 42.0
358 Apollonia . . .	Jan. 5	11.8	12.5	8.8	1893 März 10.5	1910.0	86 52 43.5	248 18 56.9
359 Georgia	Juni 4	12.1	12.3	8.9	1902 Mai 2.5	1910.0	203 0 32.1	336 37 38.1
360 Carlova	Dez. 16	10.9	11.9	8.0	1908 Jan. 3.0	1910.0	33 4 5.4	286 54 56.0

☊	i	φ	μ	Log. a	Autorität
40° 47′ 5.0″	2° 36′ 56.6″	2° 39′ 3.1″	723.6554″	0.4603165	Berberich.
253 56 18.3	7 59 8.1	14 15 14.3	763.9060	0.4446445	Berberich.
97 2 30	19 20 54	15 57 36	1119.60	0.333960	Berberich.
328 40 59.5	11 14 25.2	19 40 29.3	806.7829	0.4288333	Berberich.
345 11 15.8	8 32 45.4	9 29 23.0	618.6683	0.5056991	Berberich.
32 9 9.7	23 47 22.4	10 48 17.5	1005.7638	0.365007	Bidschof.
355 39 44.3	7 9 11.2	3 41 18.3	766.8777	0.4435203	Berberich.
353 15 29.5	16 7 1.7	7 2 42.8	649.8767	0.4914504	Berberich.
178 28 13.5	16 0 36.7	1 35 42.6	912.1349	0.3932983	Pannekoek.
358 46 36	19 58 36	— — —	1174.9	0.32000	Berberich.
22 52 28.7	6 4 30.0	5 58 43.0	675.6718	0.4801805	Berberich.
32 3 7.2	2 52 35.7	5 10 38.7	768.7492	0.4428147	Berberich.
355 22 47.1	3 50 23.7	10 5 3.7	644.6123	0.4938053	Berberich.
134 20 51.2	4 37 53.7	0 54 49.6	458.6230	0.5923672	Berberich.
147 55 31.6	5 5 49.9	10 22 10.8	912.6621	0.3931311	Berberich.
235 1 13.3	5 38 30.7	5 28 48.1	1049.8478	0.3525869	Berberich.
355 41 19.0	7 51 56.4	7 57 52.0	964.4421	0.3771536	Coniel.
288 39 56.0	6 2 41.2	1 12 38.1	713.531	0.464396	Coniel.
174 26 7.4	9 53 59.7	5 49 6.3	679.2158	0.4786658	Berberich.
27 35 29.8	4 42 11.5	6 46 57.8	779.9016	0.4386445	Berberich.
29 3 57.0	5 40 1.7	11 8 39.8	1087.7152	0.3423276	Berberich.
233 0 11.1	7 20 46.9	7 22 8.5	862.0140	0.4096615	Berberich.
38 42 17.6	3 18 13.3	13 23 25.7	947.4192	0.3823097	Berberich.
49 0 25.8	18 36 32.9	18 20 50.5	850.5213	0.4135476	Berberich.
212 31 31.0	9 44 20.7	3 30 29.0	1000.9051	0.3664092	Viaro.
92 32 7.0	8 45 21.1	5 47 46.6	758.53251	0.446688	Ehrenfeucht.
85 52 47.9	11 42 41.9	9 21 56.3	838.0358	0.4178294	Boccardi.
90 45 49.6	9 45 30.5	3 49 50.1	693.6375	0.472584	P. V. Neugebauer.
33 13 11.3	8 17 24.6	5 8 39.7	709.2917	0.466122	P. V. Neugebauer.
90 39 23.5	24 44 31.8	8 44 29.1	643.0948	0.4944877	Berberich.
99 40 26.2	9 13 56.4	8 52 21.2	770.7562	0.4420597	Berberich.
247 18 51.6	3 22 0.5	8 36 26.8	1091.9690	0.3411975	Berberich.
103 23 14.9	5 34 36.4	19 15 26.7	787.080	0.435992	Berberich.
140 49 23.3	18 22 24.1	6 35 44.4	754.8010	0.4481160	Ciscato.
352 19 52.4	4 21 6.4	6 12 55.9	877.280	0.404580	Berberich.
356 14 1.3	8 16 5.4	14 2 9.4	776.2821	0.4399913	Berberich.
138 47 50.5	15 6 50.1	4 5 44.9	634.456	0.498404	P. V. Neugebauer.
173 8 14.8	3 31 44.7	8 26 24.1	725.563	0.459554	Coniel.
6 41 13.1	6 48 31.7	8 58 30.9	787.647	0.435783	Berberich.
133 23 12.5	11 39 55.5	10 20 45.1	682.0180	0.4774739	Berberich.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
361 Bononia . .	Juli 27	14.1	13.3	8.0	1912 Aug. 9.0	1910.0	222° 24′ 50.8″	73° 55′ 56.7″
362 Havnia . . .	Dez. 31	10.9	11.1	8.0	1905 Febr. 7.0	1910.0	72 40 34.9	29 11 6.7
363 Padua . . .	Mai 10	11.8	11.6	8.2	1911 Febr. 16.0	1910.0	142 20 19.3	291 8 24.8
364 Isara	—	—	11.7	9.5	1906 Febr. 2.0	1910.0	64 52 29.0	311 1 48.7
365 Corduba . .	April 7	12.9	12.2	8.7	1904 Juli 22.0	1910.0	285 5 51.5	209 40 43.5
366 Vincentina .	Okt. 13	12.3	12.3	8.2	1904 März 24.0	1910.0	241 10 18.0	314 58 42.8
367 Amicitia . .	—	—	12.5	10.3	1906 März 28.5	1910.0	52 40 0.0	53 16 37.5
368 Haidea . . .	—	—	13.5	9.5	1893 Juli 17.5	1910.0	317 18 49.4	85 6 56.3
369 Aëria	—	—	12.7	9.5	1906 Juli 12.0	1910.0	287 6 32.8	266 17 7.5
370 Modestia . .	—	—	12.8	10.4	1907 Juli 7.0	1910.0	294 33 33.7	66 1 12.1
371 Bohemia . .	Nov. 2	12.0	11.8	8.4	1903 Nov. 5.0	1910.0	134 40 33.2	338 44 39.2
372 Palma . . .	Febr. 20	9.7	10.5	6.4	1905 Dez. 4.0	1910.0	2 21 33.6	113 11 50.6
373 Melusina . .	Febr. 7	13.4	12.8	8.7	1907 März 9.0	1910.0	165 50 25.5	347 42 45.3
374 Burgundia .	Nov. 7	12.1	11.7	8.2	1906 Juni 2.0	1910.0	20 43 28.8	22 6 54.0
375 Ursula . . .	Jan. 22	11.5	11.0	6.9	1901 Jan. 19.0	1910.0	155 15 7.8	344 31 25.5
376 Geometria .	—	—	11.8	9.4	1904 Nov. 19.0	1910.0	171 38 36.4	314 16 28.2
377 Campania .	—	—	11.5	8.2	1893 Okt. 7.5	1910.0	338 6 43.1	192 39 34.1
378 Holmia . . .	—	—	12.6	9.1	1906 Aug. 21.0	1910.0	301 48 59.4	153 47 51.8
379 Huenna . . .	März 27	13.5	12.6	8.5	1901 April 9.0	1910.0	210 5 22.9	177 18 16.1
380 Fiducia . . .	Febr. 22	13.2	12.6	9.3	1894 Jan. 11.0	1910.0	129 58 51.0	237 3 32.6
381 Myrrha . . .	März 24	12.3	12.4	8.1	1906 März 14.0	1910.0	266 28 42.8	142 59 18.2
382 Dodona . . .	Juli 18	11.7	12.1	8.1	1906 Mai 13.0	1910.0	9 20 17.0	267 5 53.6
383 Janina . . .	April 29	13.7	13.3	9.2	1908 Aug. 30.0	1910.0	290 32 49.4	313 43 28.9
384 Burdigala . .	April 28	12.2	11.7	8.5	1899 April 9.5	1910.0	119 46 59.6	30 33 43.4
385 Ilmatar . . .	—	—	10.3	6.7	1904 Mai 3.0	1910.0	38 31 8.7	184 18 24.2
386 Siegena . . .	Dez. 37	10.3	10.5	6.8	1906 Aug. 21.0	1910.0	317 54 55.1	217 39 48.2
387 Aquitania .	Febr. 5	10.7	9.8	6.4	1895 Juli 3.5	1910.0	353 6 10.2	153 33 34.9
388 Charybdis .	Okt. 4	11.5	11.7	7.8	1906 Juli 12.0	1910.0	338 15 19.8	322 41 28.4
389 Industria . .	Juli 16	11.2	11.1	8.0	1899 Juni 18.0	1910.0	63 27 27.4	262 50 16.2
390 Alma	Mai 19	13.3	13.2	10.0	1899 Mai 17.0	1910.0	88 15 19.6	188 31 9.3
391 Ingeborg . .	Dez. 35	13.5	13.2	10.8	1906 Jan. 13.0	1910.0	82 56 37.0	145 9 23.8
392 Wilhelmina .	—	—	12.2	8.3	1894 Nov. 4.5	1910.0	38 39 10.1	141 27 52.4
393 Lampetia . .	Aug. 1	8.8	11.0	7.6	1912 Aug. 9.0	1910.0	7 27 58.9	86 24 20.1
394 Arduina . .	Sept. 12	11.6	13.0	9.6	1894 Nov. 23.5	1910.0	55 25 12.3	265 38 37.7
395 Delia	Okt. 7	12.8	13.0	9.5	1894 Dez. 3.5	1910.0	136 43 41.3	20 38 45.7
396 Aeolia . . .	—	—	13.2	9.7	1894 Dez. 2.5	1910.0	156 42 32.8	18 37 12.4
397 Vienna . . .	—	—	12.6	9.4	1902 Okt. 1.0	1910.0	348 10 29.4	136 23 5.6
398 Admete . . .	Dez. 14	12.3	13.7	10.4	1907 Nov. 4.5	1910.0	317 29 32.7	156 33 37.6
399 Persephone .	Juni 1	12.9	13.0	9.0	1907 Juli 7.0	1910.0	99 59 2.0	187 2 29.5
400 Ducrosa . .	—	—	14.5	10.4	1895 März 18.5	1910.0	337 44 19.1	229 27 12.8

☊	i	φ	μ	Log. a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
19 17 56.6	12 38 59.4	11 56 11.4	453.2733	0.595764	Berberich.
27 23 27.4	8 4 45.0	2 31 4.1	857.1587	0.4112969	Berberich.
65 4 52.1	5 58 11.0	4 9 51.7	779.6348	0.4387436	Antoniazzi.
105 12 52.6	6 0 3.6	8 36 53.9	1072.5804	0.3463845	Berberich.
185 54 15.1	12 43 37.8	8 24 38.7	754.5331	0.448218	Berberich.
347 59 13.4	10 35 26.9	3 27 2.7	636.2125	0.4976029	Berberich.
83 7 23.4	2 57 0.7	5 28 31.2	1072.8626	0.3463083	Berberich.
230 7 47.4	7 48 12.9	11 8 13.1	663.984	0.485231	Berberich.
94 30 31.4	12 43 17.6	5 33 23.3	822.7067	0.4231744	Berberich.
290 58 8.9	7 52 10.3	5 13 41.6	1001.1919	0.3663261	Berberich.
284 12 33.9	7 22 40.8	3 35 43.7	788.36429	0.435520	Mader.
328 25 22.6	23 39 56.7	15 37 36.8	635.9909	0.4977038	Berberich.
4 26 22.4	15 27 4.2	8 34 43.1	646.5817	0.4929222	Berberich.
219 35 36.2	8 57 56.2	4 37 44.9	765.5599	0.4440183	Berberich.
337 27 33.3	15 57 18.0	5 41 17.0	640.8169	0.4955151	Heuer.
302 13 7.9	5 25 21.7	9 54 46.1	1025.0162	0.3595172	Berberich.
210 44 55.0	6 39 37.8	4 26 14.5	804.920	0.429503	Coniel.
233 14 43.6	6 57 56.3	7 20 19.7	766.5723	0.4436357	Berberich.
172 51 58.2	1 36 30.6	11 5 26.6	641.8494	0.4950490	Coniel.
95 22 51.6	6 10 16.7	6 33 30.2	809.782	0.427760	P. V. Neugebauer.
125 23 34.0	12 34 45.8	7 15 16.3	620.6242	0.5047852	Berberich.
315 49 0.2	7 26 3.1	10 9 28.8	645.0171	0.4936236	Berberich.
93 25 27.3	2 39 13.5	9 59 26.2	638.8727	0.4963949	Berberich.
48 21 10.9	5 38 57.3	8 22 34.3	820.6462	0.423900	Kromm.
345 47 13.2	13 41 2.2	7 30 49.9	739.9493	0.4538697	Witt.
167 7 26.1	20 15 35.6	9 34 42.5	719.3456	0.4620460	Berberich.
128 46 8.2	17 57 51.9	13 47 16.3	782.6076	0.4376414	Ogburn.
355 28 53.3	6 28 59.6	3 28 2.8	680.7507	0.4780123	Berberich.
282 46 45.1	8 7 8.8	3 53 14.7	842.4772	0.416299	Peyra.
305 34 11.1	12 8 55.9	7 28 40.3	821.022	0.423768	Coniel.
212 42 11.7	23 2 49.0	18 0 7.6	1004.2640	0.3654391	Berberich.
211 52 31.8	15 42 21.3	10 13 36.9	694.356	0.472283	Berberich.
214 28 36.8	14 54 32.3	19 11 51.0	766.3420	0.4437226	Berberich.
68 21 10.6	6 15 39.4	13 11 32.3	771.095	0.441933	Coniel.
260 2 6.3	3 31 42.0	7 16 9.6	764.391	0.444461	Capon.
251 27 25.2	2 37 50.3	10 18 30.4	782.986	0.437501	Coniel.
228 41 17.9	12 43 55.3	14 17 53.6	829.13487	0.420921	Mader.
280 38 14.2	9 29 36.6	12 49 55.4	782.8137	0.4375654	Franz.
347 18 20.6	13 10 0.0	4 6 33.0	665.0959	0.4847482	Berberich.
328 49 40.9	10 36 55.7	5 15 50.9	641.871	0.495039	Berberich.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
401 Ottilia	—	—	12.6	8.2	1910 Juli 31.0	1910.0	130° 28′ 12.4″	199° 23′ 17.0″
402 Chloë	Juni 7	10.9	10.7	7.7	1911 Jan. 30.5	1910.0	341 8 28.2	13 33 47.8
403 Cyane . . .	--	—	12.0	8.5	1905 Juli 17.0	1910.0	153 9 6.5	247 54 30.1
404 Arsinoë . . .	Aug. 2	12.5	13.0	10.0	1905 Nov. 14.0	1910.0	214 53 8.0	118 51 5.8
405 Thia	Aug. 30	11.9	11.0	8.0	1895 Juli 27.0	1910.0	73 36 35.0	305 12 7.9
406 Erna	Jan. 4	13.7	13.5	9.8	1910 Sept. 9.0	1910.0	355 6 43.8	34 38 0.0
407 Arachne . .	Okt. 17	11.5	11.9	8.7	1907 Juli 27.0	1910.0	290 1 11.0	78 11 36.7
408 Fama	Okt. 28	12.6	13.4	9.2	1895 Okt. 15.5	1910.0	354 28 32.9	100 36 33.0
409 Aspasia . . .	—	—	10.7	7.6	1903 Okt. 19.5	1910.0	163 47 0.0	351 8 7.6
410 Chloris . . .	Nov. 9	12.6	11.9	8.5	1906 April 17.5	1910.0	311 22 7.1	168 47 7.0
411 Xanthe . . .	März 21	12.7	12.5	8.7	1906 Jan. 24.5	1910.0	185 43 46.2	174 42 24.4
412 Elisabetha .	Sept. 4	12.1	11.9	8.5	1904 Dez. 29.0	1910.0	252 59 27.0	92 48 23.5
413 Edburga . .	—	—	12.2	9.2	1896 Jan. 10.5	1910.0	72 21 21.0	248 52 42.0
414 Liriope . . .	Juli 13	13.5	13.4	8.6	1910 April 2.0	1910.0	122 10 0.0	299 54 3.1
415 Palatia . . .	Juni 25	12.6	11.6	8.1	1910 Febr. 13.5	1910.0	52 16 0.0	293 39 15.0
416 Vaticana . .	Dez. 2	12.6	11.5	8.0	1902 Okt. 21.5	1910.0	114 14 16.4	195 25 17.1
417 Suevia . . .	Okt. 26	13.3	12.7	9.2	1907 Sept. 25.0	1910.0	186 5 50.0	343 18 38.4
418 Alemannia .	Juni 6	12.8	12.6	9.5	1905 Dez. 24.0	1910.0	60 11 21	123 1 58.9
419 Aurelia . . .	April 6	12.7	11.1	8.0	1908 Mai 22.0	1910.0	338 37 48.2	40 32 43.9
420 Bertholda . .	Febr. 22	12.1	12.3	7.7	1904 Dez. 29.0	1910.0	359 57 43.4	216 25 36.5
421 Zähringia . .	Aug. 3	13.3	14.2	11.2	1904 Mai 23.0	1910.0	299 14 47.2	205 57 54.3
422 Berolina . .	Mai 9	13.6	13.4	11.2	1896 Dez. 4.5	1910.0	43 3 30.9	333 4 23.2
423 Diotima . . .	Nov. 7	11.4	11.2	7.2	1906 Sept. 30.0	1910.0	87 12 6.0	193 49 7.3
424 Gratia . . .	Mai 8	13.3	12.8	9.3	1903 Mai 29.0	1910.0	174 2 31.1	329 36 33.8
425 Cornelia . .	Febr. 7	12.8	13.1	9.4	1897 Jan. 20.5	1910.0	295 5 56.3	118 48 56.6
426 Hippo	Sept. 15	12.0	11.5	7.8	1897 Sept. 30.0	1910.0	172 10 55.2	221 45 45.3
427 Galene . . .	Juli 17	12.1	12.8	9.0	1905 Jan. 14.5	1910.0	184 20 0.0	5 55 16.4
428 Monachia . .	—	—	13.5	11.1	1900 Aug. 7.5	1910.0	300 39 10.6	13 51 45.2
429 Lotis	April 8	13.1	12.6	9.4	1905 Sept. 22.5	1910.0	331 42 21.7	166 36 34.0
430 Hybris . .	—	—	13.2	9.6	1898 Jan. 21.5	1910.0	15 12 12.0	174 56 25.2
431 Nephele . . .	Juni 13	12.0	12.6	8.5	1911 März 31.5	1910.0	235 0 0.0	209 48 3.8
432 Pythia . . .	—	—	11.3	8.7	1906 Febr. 2.0	1910.0	258 54 29.7	172 15 56.3
433 Eros	Juli 24	11.3	9.7	10.6	1907 Okt. 15.0	1910.0	285 40 28.0	177 46 3.8
434 Hungaria . .	Dez. 17	12.4	11.8	10.4	1908 März 3.0	1910.0	226 7 44.9	123 1 51.3
435 Ella	März 21	12.9	12.1	9.3	1906 Nov. 9.0	1910.0	44 18 22.6	331 7 16.6
436 Patricia . . .	Febr. 9	13.1	12.9	8.7	1906 Febr. 2.0	1910.0	90 41 57.0	23 21 16.1
437 Rhodia . . .	März 20	13.6	12.7	10.1	1909 Juni 26.0	1910.0	333 36 40.9	59 32 29.8
438 Zeuxo	Jan. 25	13.5	11.8	8.8	1902 Nov. 23.5	1910.0	149 12 37.6	200 28 41.2
439 Ohio	März 27	13.1	12.7	8.6	1900 Jan. 0.0	1910.0	30 57 55.5	231 8 28.0
440 Theodora . .	—	—	13.1	10.9	1898 Okt. 18.5	1910.0	284 37 41.8	176 6 6.1

☊	i	φ	μ	Log. a	Autorität
38° 55′ 29.″7	6° 5′ 40.″6	2° 46′ 9.″1	583.″8270	0.522482	Berberich.
129 38 0.0	11 50 6.8	6 24 35.0	866.7956	0.408060	Berberich.
245 49 39.0	9 8 8.8	5 49 4.3	753.7444	0.4485217	Berberich.
92 48 21.3	14 3 57.8	11 41 13.6	849.07766	0.4140395	Berberich.
256 8 35.2	11 48 17.6	14 32 24.7	856.814	0.411412	Coniel.
317 1 8.3	4 15 26.7	10 27 34.1	712.9520	0.464631	Berberich.
295 5 4.9	7 31 34.3	3 59 22.5	834.1108	0.4191886	Berberich.
299 37 51.7	9 6 14.2	7 54 31.1	627.210	0.501729	Berberich.
242 44 32.8	11 12 44.4	3 53 20.9	857.3857	0.411221	Kromm.
97 25 39.4	10 53 15.3	13 45 44.0	788.824	0.435346	P. V. Neugebauer
108 9 35.1	15 36 26.1	6 53 35.1	705.017	0.467871	Berberich.
106 41 22.8	13 45 36.1	2 27 5.2	772.8598	0.4412713	Berberich.
105 12 38.6	18 52 24.9	19 43 23.0	856.555	0.411501	Berberich.
113 29 44.5	9 38 22.8	5 29 23.8	542.3539	0.543816	Berberich.
128 20 25.3	8 5 38.4	17 36 27.4	760.372	0.445987	Coddington.
58 38 36.6	12 55 45.4	12 35 49.6	761.6611	0.4454966	Boccardi.
199 56 31.4	6 35 47.5	8 5 25.9	759.1427	0.4464555	Berberich.
249 11 17.0	6 49 0.3	6 49 13.7	850.3282	0.4136133	Berberich.
230 10 7.4	3 57 7.2	14 51 45.7	850.8462	0.4134370	Berberich.
246 23 45.1	6 37 27.3	2 31 41.4	563.6312	0.5326744	Berberich.
188 3 30.6	7 51 32.7	17 0 44.2	879.0133	0.404008	Berberich.
9 0 42.8	5 0 17.4	12 22 39.2	1066.4426	0.348046	Witt.
70 19 25.1	11 15 54.4	1 57 21.5	660.6148	0.4867056	Berberich.
99 33 41.2	8 12 20.8	6 22 47.8	768.5707	0.442882	P. V. Neugebauer.
61 44 9.2	4 4 24.3	3 26 47.8	724.2913	0.460062	Pourteau.
312 6 53.5	19 37 42.9	5 53 54.4	722.4562	0.460797	Pourteau.
298 57 20.1	5 8 14.6	6 53 23.4	693.666	0.4725708	Berberich.
17 29 37.6	6 13 32.7	10 15 44.4	1009.005	0.364076	Villiger.
220 16 20.5	9 30 55.5	7 5 38.8	842.413	0.416321	Berberich.
250 0 10.6	14 33 20.9	14 55 51.9	743.475	0.452494	Berberich.
117 1 48.2	1 49 14.5	10 30 56.1	641.647	0.4951403	Kreutz.
88 37 32.4	12 7 37.7	8 24 45.4	973.3410	0.3744944	Berberich.
303 37 3.5	10 49 41.2	12 52 58.8	2015.0581	0.1638127	Witt.
174 44 5.3	22 30 11.2	4 13 50.9	1308.6711	0.2887841	Berberich.
23 9 37.1	1 50 18.7	8 53 54.8	925.2776	0.3891563	Berberich.
352 3 5.4	18 36 7.8	4 45 46.3	622.0996	0.5040978	Berberich.
263 37 48.3	7 22 16.4	14 22 31.6	962.8945	0.3776186	Berberich.
49 27 2.4	7 14 50.7	2 57 7.6	869.450	0.407174	P. V. Neugebauer.
202 36 22.0	19 7 7.5	4 11 33.9	640.6167	0.495606	Coddington.
292 31 23.3	1 35 48.6	6 11 19.0	1079.355	0.344562	Coddington.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
441 Bathilde . . .	Nov. 20	12.2	12.5	9.0	1898 Dez. 14.0	1910.0	345° 51′ 15.9″	197° 38′ 38.4″
442 Eichsfeldia . .	Dez. 27	12.3	12.1	9.6	1904 Sept. 20.0	1900.0	137 33 29.2	82 6 9.8
443 Photographica	Jan. 19	12.2	12.5	10.2	1906 April 3.0	1910.0	46 36 26.5	347 54 29.7
444 Gyptis	Febr. 5	11.9	11.2	7.7	1903 Jan. 1.5	1910.0	149 27 0.8	151 50 26.2
445 Edna	—	—	12.6	8.4	1900 Jan. 0.0	1910.0	19 1 55.0	77 37 38.4
446 Aeternitas . .	Juni 7	11.0	11.4	7.9	1899 Okt. 30.0	1910.0	55 26 20.6	277 33 39.1
447 Valentine . .	März 18	12.3	12.1	8.2	1904 Okt. 10.0	1910.0	345 51 50.7	316 23 5.9
448 Natalie	—	—	13.4	9.3	1910 Okt. 3.0	1910.0	28 0 0	292 17 12.2
449 Hamburga . .	—	—	12.0	9.0	1901 März 20.0	1910.0	38 7 28.0	44 40 10.3
450 Brigitta . . .	März 9	12.6	13.2	9.3	1899 Nov. 9.5	1910.0	19 17 44.8	358 38 58.0
451 Patientia . . .	April 1	10.9	10.6	6.6	1907 Mai 8.0	1910.0	146 4 45.4	332 26 55.3
452 Hamiltonia .	—	—	16.7	13.1	1899 Dez. 31.0	1910.0	296 42 7.9	46 40 54.3
453 Tea	—	—	12.3	10.2	1902 Dez. 20.0	1910.0	243 0 28.6	217 47 49.9
454 Mathesis . . .	—	—	11.6	8.5	1900 April 28.5	1910.0	352 56 10.1	174 34 18.7
455 Bruchsalia . .	März 16	12.9	11.6	8.3	1907 Febr. 17.0	1910.0	124 26 46.8	269 25 10.9
456 Abnoba . . .	—	—	12.9	9.4	1910 Sept. 9.0	1910.0	90 59 37.0	2 50 39.9
457 Alleghenia . .	—	—	15.1	11.0	1900 Okt. 28.5	1910.0	351 0 33.8	129 8 9.7
458 Hercynia . .	Jan. 8	12.9	13.1	9.1	1900 Okt. 31.0	1910.0	338 37 5.7	272 19 18.5
459 Signe	Juli 4	14.2	13.7	10.5	1900 Okt. 22.5	1910.0	348 14 27.2	17 55 45.7
460 Scania	Mai 3	14.3	13.9	10.5	1900 Okt. 22.5	1910.0	14 38 31.6	163 33 0.4
461 Saskia	Dez. 34	13.1	14.3	10.1	1900 Okt. 22.5	1910.0	310 1 24.7	301 28 37.0
462 Eriphyla . . .	Febr. 14	13.7	13.5	9.7	1902 Jan. 14.0	1910.0	119 30 21.2	248 37 32.6
463 Lola	—	—	14.0	11.4	1900 Okt. 31.5	1910.0	19 49 32.2	325 32 26.0
464 Megaira . . .	April 17	13.2	12.2	8.6	1901 Jan. 9.5	1910.0	92 54 0.7	252 34 33.5
465 Alekto	Jan. −3	13.9	13.5	9.3	1901 Jan. 23.5	1910.0	293 53 59.6	272 32 36.6
466 Tisiphone . .	Dez. 31	11.8	11.8	7.3	1907 Febr. 17.0	1910.0	287 37 48.4	264 44 5.8
467 Laura	April 3	14.7	14.3	10.5	1901 Febr. 11.5	1910.0	55 52 57.2	91 48 52.6
468 Lina	Jan. 19	13.6	13.1	9.0	1901 Febr. 22.5	1910.0	118 51 21.4	331 2 19.6
469 Argentina . .	Jan. 10	12.3	12.7	8.5	1907 April 24.5	1907.0	7 31 23.1	201 23 58.5
470 Kilia	März 19	11.3	12.9	10.3	1902 Okt. 21.0	1910.0	138 56 9.4	43 50 53.3
471 Papagena . .	Nov. 5	8.5	10.1	6.2	1901 Mai 18.5	1910.0	240 50 24.4	311 1 39.0
472 Roma	März 30	11.8	11.5	8.5	1908 März 23.0	1910.0	115 27 18.6	295 11 15.8
473 Nolli	—	—	13.3	9.5	1901 Febr. 13.5	1910.0	95 13 40.1	57 6 40.8
474 Prudentia . .	Jan. 15	13.9	13.0	10.2	1910 Sept. 10.5	1910.0	21 18 46.8	155 7 13.9
475 Oello	März 3	15.1	13.5	10.2	1905 Juni 17.0	1910.0	317 7 14	301 29 56
476 Hedwig . . .	Jan. 18	11.7	11.3	8.1	1902 Dez. 10.0	1910.0	156 21 50.5	356 54 43.2
477 Italia	Juli 1	11.3	12.1	9.5	1905 Nov. 3.5	1910.0	45 50 41.6	320 20 13.9
478 Tergeste . . .	Nov. 17	10.7	10.9	7.0	1904 Mai 5.0	1910.0	81 38 55.7	240 34 25.2
479 Caprera . . .	März 18	13.6	13.0	9.6	1901 Nov. 15.5	1910.0	2 12 53.0	269 14 42.9
480 Hansa	—	—	11.5	8.3	1901 Mai 21.5	1910.0	179 11 11.8	196 39 14.2

☊	i	φ	μ	Log. a	Autorität
254° 20′ 3″.7	8° 7′ 11″.7	4° 37′ 18″.6	753″.698	0.448538	Coniel.
134 38 45.4	6 3 42.0	4 0 17.7	987.3699	0.3703512	Thraen.
175 8 46.6	4 13 15.5	2 17 26.1	1075.9086	0.3454875	Berberich.
196 16 48.3	10 12 42.1	9 58 5.9	768.449	0.442928	Fabry.
293 31 41.4	21 23 34.9	11 57 45.5	624.2829	0.503084	Coddington.
42 40 49.5	10 39 3.8	7 7 3.2	761.5980	0.4455205	Pauly.
72 27 11.5	4 49 5.6	2 40 14.9	686.5435	0.475559	Kreutz.
38 52 17.9	12 41 52.5	9 54 2.5	636.618	0.497419	Berberich.
85 58 49.8	3 6 4.6	10 3 32.4	870.9880	0.406664	J. Möller.
15 37 54.5	10 23 9.4	5 21 56.4	677.749	0.479292	Paetsch.
89 51 4.6	15 14 39.9	4 19 46.7	662.60440	0.4858348	E. Grabowski.
92 51 38.8	3 13 15.1	1 13 23.3	736.622	0.455174	Palmer.
11 34 23.4	5 34 28.0	6 14 36.0	1099.965	0.339085	Hessen.
32 41 20.7	6 19 18.7	6 19 30.5	832.9439	0.419594	Milham.
77 26 56.4	12 1 45.3	16 59 20.2	818.8400	0.4245384	Berberich.
229 36 15.3	14 25 25.9	10 20 0.9	762.4328	0.445203	Berberich.
250 46 42.0	12 52 29.5	10 20 2.3	651.8517	0.490572	Paetsch.
136 4 46.1	12 36 10.3	14 8 5.4	685.852	0.475851	Riem.
29 49 51.8	10 22 44.4	12 19 50.0	832.007	0.419920	Bauschinger.
205 45 2.7	4 35 26.1	5 53 49.8	791.305	0.434442	Bauschinger.
156 40 56.9	1 22 20.6	11 54 22.6	624.571	0.502950	Bauschinger.
105 51 10.2	3 10 27.9	4 45 25.7	727.9361	0.4586089	Berberich.
36 34 17.3	13 29 59.6	12 42 56.7	960.910	0.378216	Berberich.
103 51 32.4	10 51 46.9	14 39 57.7	742.582	0.452841	Berberich.
305 33 19.5	4 37 48.6	13 45 49.7	622.160	0.504070	Bauschinger.
291 28 5.2	19 19 17.5	4 26 15.9	574.1962	0.527298	Berberich.
323 56 20.1	6 24 26.3	6 20 17.4	704.103	0.468247	Berberich.
22 26 55.3	0 29 45.3	11 47 14.8	637.306	0.497106	Bauschinger.
335 11 17.5	11 45 15.4	8 58 51.8	626.309	0.502146	Lamson.
173 15 58.1	7 13 35.5	5 29 58.5	952.3542	0.380805	Kreutz.
84 53 56.1	14 51 29.5	13 9 45.7	722.6458	0.4607207	Strömberg.
127 1 58.8	15 51 45.3	5 37 39.1	875.7359	0.405089	Zappa.
333 35 9.8	27 46 32.2	14 48 41.2	690.051	0.474084	Berberich.
161 57 57.1	8 43 13.4	11 48 11.8	924.685	0.389342	Berberich.
35 53 33	18 38 42	22 22 4	848.6730	0.414177	Strömgren.
286 41 44.8	10 56 39.3	4 16 2.1	823.2035	0.4229996	Strömgren.
10 44 48.5	5 18 41.0	10 57 18.2	944.572	0.383182	G. Abetti.
234 47 14.1	13 9 38.6	4 58 6.5	677.025	0.4796008	de Mello e Simas.
136 31 40.9	8 39 23.8	12 42 44.4	788.048	0.435636	Bauschinger.
237 12 44.8	21 4 48.4	2 25 49.4	826.814	0.421732	Bauschinger.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
481 Emita . . .	April 25	12.3	11.6	8.2	1907 März 9.0	1910.0	104° 59′ 56″.4	345° 50′ 34″.8
482 Petrina . . .	Febr. 9	12.3	12.0	8.1	1902 Mai 7.5	1910.0	288 7 6.3	85 31 11.3
483 Seppina . .	Dez. 1	12.7	12.5	7.9	1906 Dez. 19.0	1910.0	127 58 51.7	141 39 57.0
484 Pittsburghia	Okt. 9	12.8	12.9	9.7	1906 April 3.0	1910.0	235 12 27.0	185 49 40.1
485 Genua . . .	Juli 7	12.4	11.4	8.0	1904 Okt. 3.5	1910.0	294 18 38.9	268 33 3.0
486 Cremona . .	—	—	13.5	11.0	1902 Mai 28.5	1910.0	16 33 54.5	125 7 57.5
487 Venetia . .	Dez. 33	11.7	11.8	8.6	1907 Okt. 15.5	1910.0	348 41 50.6	278 27 28.3
488 Kreusa . . .	Jan. 8	10.7	11.5	7.3	1906 Jan. 0.5	1910.0	302 39 32.2	62 35 51.0
489 Comacina .	Juni 2	12.5	12.5	8.3	1911 Febr. 22.5	1911.0	352 58 25.7	3 9 8.1
490 Veritas . . .	Mai 28	12.5	12.3	8.1	1902 Sept. 3.5	1910.0	348 28 27.2	187 46 6.0
491 Carina . . .	Juni 3	12.9	12.5	8.3	1903 Jan. 0.0	1910.0	340 41 39.1	225 2 45.0
492 Gismonda .	Mai 29	12.8	13.1	9.0	1902 Sept. 4.0	1910.0	12 56 28.0	287 27 2.1
493 Griseldis . .	—	—	14.5	10.4	1902 Sept. 7.5	1910.0	329 46 50.6	38 26 36.2
494 Virtus . . .	Okt. 1	12.4	12.3	8.4	1902 Nov. 27.5	1910.0	144 15 51.5	209 9 31.0
495 Eulalia . . .	April 6	13.3	12.5	9.7	1902 Nov. 21.5	1910.0	20 56 40.0	200 0 35.6
496 Gryphia . .	—	—	13.0	11.0	1902 Nov. 21.5	1910.0	331 47 44.7	240 34 28.4
497 Iva	—	—	13.5	9.9	1902 Nov. 4.5	1910.0	20 53 34.8	358 54 17.3
498 Tokio . . .	—	—	11.2	8.1	1904 März 14.0	1910.0	167 52 1.5	237 34 18.5
499 Venusia . .	April 1	13.0	13.0	7.7	1903 Jan. 31.5	1910.0	9 23 52.0	195 51 25.8
500 Selinur . . .	Febr. 21	12.7	12.0	8.9	1903 März 4.5	1910.0	99 39 4.6	71 48 18.3
501 Urhixidur .	Okt. 2	12.2	13.0	8.8	1903 Jan. 19.5	1910.0	119 32 12.0	346 41 52.2
502 Signe . . .	Aug. 27	14.7	13.8	11.2	1907 Febr. 17.0	1910.0	2 59 40.1	16 59 22.3
503 Evelyn . . .	Jan. 31	11.3	12.3	9.0	1903 April 25.5	1910.0	33 37 22.7	38 7 0.1
504 Cora	Dez. 26	12.7	12.7	9.3	1907 Sept. 25.0	1910.0	18 9 10.2	244 36 55.0
505 Cava	—	—	12.0	8.7	1907 Okt. 15.0	1910.0	321 50 49.2	333 59 2.7
506 Marion . . .	Dez. 25	11.7	12.5	8.5	1903 Febr. 20.5	1910.0	46 27 14.1	144 59 20.9
507 Laodica . .	Okt. 26	11.9	12.5	8.3	1903 Febr. 24.5	1910.0	104 44 50.4	94 33 57.4
508 Princetonia	—	—	12.3	8.1	1903 April 25.5	1910.0	4 34 0.9	161 33 54.7
509 Iolanda . .	—	—	11.5	7.5	1906 Jan. 28.5	1910.0	39 8 50.3	153 10 33.8
510 Mabella . .	Sept. 1	12.0	13.0	9.8	1903 Juli 18.5	1910.0	338 1 0.1	87 40 58.5
511 Davida . . .	—	—	9.6	5.4	1903 Aug. 15.5	1910.0	182 32 43.8	329 19 55.8
512 Taurinensis	April 6	13.8	12.5	10.5	1903 Juli 16.5	1910.0	310 15 34.2	246 49 13.6
513 Centesima .	Mai 9	12.8	12.3	8.4	1903 Okt. 24.5	1910.0	327 27 39.5	208 58 33.7
514 Armida . .	April 17	12.6	12.4	8.4	1906 Febr. 22.0	1910.0	136 47 7.0	106 3 52.0
515 Athalia . .	—	—	14.0	9.9	1903 Sept. 20.5	1910.0	317 8 30.0	288 44 14.8
516 Amherstia .	Okt. 15	12.2	11.0	7.7	1911 Juli 26.5	1910.0	49 48 3.7	254 0 32.9
517 Edith	April 28	14.0	13.1	9.0	1903 Okt. 25.5	1910.0	338 10 28.3	129 3 8.9
518 Halawe . . .	—	—	13.4	10.5	1903 Okt. 20.5	1910.0	47 47 29.0	118 29 22.7
519 Sylvania . .	Sept. 19	10.8	12.0	8.5	1903 Okt. 26.5	1910.0	37 10 6.6	298 37 26.2
520 Franziska .	Juni 27	14.3	13.9	10.0	1903 Okt. 27.5	1910.0	355 18 52.9	16 18 2.0

☊	i	φ	μ	Log. a	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
67 5 43.9	9 52 33.4	9 10 37.1	782.8688	0.437545	Osten.
180 20 8.8	14 27 21.8	5 18 49.8	683.838	0.476703	P. V. Neugebauer.
175 32 15.8	18 37 40.3	2 59 43.4	557.6847	0.535745	Paetsch.
127 26 45.0	12 29 12.2	3 23 42.7	813.1477	0.4265580	Berberich.
194 22 25.9	13 48 10.4	10 57 57.6	777.060	0.439700	P. V. Neugebauer.
94 11 26.5	11 6 47.3	9 20 22.6	977.329	0.373311	Berberich.
115 5 36.2	10 14 21.3	4 56 30.7	813.33738	0.4264906	Bianchi.
86 39 37.2	11 36 16.3	9 21 6.0	633.233	0.498962	Morgan.
167 48 14.7	13 11 2.3	2 0 23.4	634.076	0.498577	Berberich.
179 15 21.1	9 13 7.2	5 7 59.7	627.551	0.501572	Münch.
176 1 20.6	18 56 44.4	3 42 55.3	620.5529	0.504821	Lassen.
47 13 18.7	1 39 33.0	10 34 19.0	649.105	0.491795	Hessen.
358 41 15.8	15 25 42.0	9 17 51.5	641.417	0.495244	Berberich.
39 4 55.2	7 8 37.6	3 37 33.6	688.142	0.474886	G. Abetti.
186 27 59.0	2 14 13.1	8 28 23.6	910.120	0.393938	P. V. Neugebauer.
206 45 14.2	3 37 6.6	4 15 29.6	1103.453	0.338168	Berberich.
7 1 39.4	4 53 46.0	17 25 44.2	740.971	0.453470	Berberich.
98 1 47.9	9 33 4.0	12 47 51.8	823.2586	0.422980	P. V. Neugebauer.
256 45 22.3	2 0 25.2	13 34 32.1	455.260	0.594496	Berberich.
290 29 11.7	9 47 15.7	8 8 23.0	840.020	0.417144	Berberich.
358 4 33.5	20 49 30.8	8 14 41.4	630.916	0.500024	P. V. Neugebauer.
132 41 16.8	25 3 43.4	10 17 7.7	965.064	0.376967	Osten.
69 31 24.1	5 3 33.4	10 12 32.5	788.475	0.435479	Liebmann.
105 17 44.1	12 56 51.7	12 28 13.5	790.4529	0.434754	Osten.
91 8 46.2	9 47 29.5	14 6 50.2	805.8993	0.429151	Osten.
313 36 55.5	16 53 18.3	8 19 48.2	669.497	0.482839	Berberich.
295 14 4.1	9 33 26.6	5 47 47.4	632.696	0.499208	Bauschinger.
45 20 39.5	13 24 2.0	0 40 50.2	631.586	0.499716	Berberich.
218 26 48.9	15 22 46.1	5 34 11.6	660.724	0.486658	P. V. Neugebauer.
203 33 10.2	9 30 37.0	11 4 49.0	838.933	0.417520	Berberich.
108 50 30.7	15 50 35.0	11 8 23.3	630.6576	0.500142	Zinner.
107 9 26.7	8 40 0.2	14 23 28.7	1107.602	0.337032	Berberich.
185 49 9.3	9 28 24.1	5 0 12.4	677.958	0.479204	P. V. Neugebauer.
270 11 57.9	3 52 8.7	2 34 14.7	667.6424	0.4836418	Berberich.
122 6 47.5	2 0 50.7	10 3 36.2	645.556	0.493382	Berberich.
330 25 37.3	13 2 54.4	16 2 8.0	810.70957	0.427428	Fontana.
277 26 39.3	3 9 40.8	10 43 29.9	637.939	0.496818	A. Kohlschütter.
203 57 40.2	6 37 46.0	12 42 29.2	885.773	0.401789	Berberich.
45 23 10.7	11 1 48.4	10 53 8.0	761.032	0.445736	Berberich.
35 5 35.2	11 0 18.8	6 0 18.2	680.357	0.478180	Götz.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
521 Brixia	Nov. 24	10.2	12.1	8.7	1909 Febr. 26.5	1910.0	73° 29′ 45.1″	312° 31′ 31.6″
522 Helga	März 15	13.0	12.6	7.7	1911 Jan. 30.5	1910.0	111 53 30.0	243 3 59.0
523 Ada	Sept. 4	12.9	12.8	9.0	1904 Jan. 27.5	1910.0	27 56 2.5	185 12 52.8
524 Fidelio	—	—	12.4	9.2	1904 März 18.5	1910.0	103 29 53.0	77 10 52.3
525 Adelaide	Mai 14	15.4	13.8	9.3	1904 März 18.5	1910.0	69 22 2.8	281 27 50.8
526 Jena	—	—	13.1	9.0	1909 Febr. 6.0	1910.0	359 19 18.1	357 35 43.8
527 Euryanthe	Febr. 1	13.3	12.5	9.2	1904 März 20.5	1910.0	258 56 2.1	199 40 42.4
528 Rezia	Juli 29	12.4	12.4	7.8	1904 März 24.5	1910.0	156 3 49.2	337 43 36.1
529 Preziosa	Nov. 20	12.5	13.0	9.1	1904 März 24.5	1910.0	138 10 8.7	336 38 38.9
530 Turandot	Nov. 25	12.6	12.4	8.2	1904 April 18.5	1910.0	268 13 53.6	188 19 26.3
531 Zerlina	—	—	14.0	10.5	1904 April 12.5	1910.0	329 16 0.7	53 51 42.6
532 Herculina	—	—	9.8	6.3	1904 Mai 5.5	1910.0	18 56 34.1	72 59 41.2
533 Sara	Dez. 26	13.8	13.5	9.6	1904 April 19.5	1910.0	335 57 42.3	58 34 53.1
534 Nassovia	—	—	12.8	9.2	1904 Mai 19.5	1910.0	128 10 32.6	344 51 41.9
535 Montague	April 13	11.7	11.8	8.8	1904 Juni 3.5	1910.0	86 4 14.8	58 53 6.4
536 Merapi	Sept. 18	11.2	11.7	7.0	1904 Mai 12.0	1910.0	254 58 24.4	292 45 11.7
537 Pauly	—	—	13.1	9.1	1904 Juli 15.5	1910.0	350 27 47.1	181 9 24.9
538 Friederike	—	—	13.2	9.0	1904 Juli 19.5	1910.0	318 36 36.4	222 52 26.0
539 Pamina	April 23	14.0	13.1	9.7	1904 Aug. 5.5	1910.0	325 31 4.8	94 0 8.3
540 Rosamunde	—	—	12.1	10.0	1904 Aug. 6.5	1910.0	132 29 40.5	334 20 33.8
541 Deborah	März 11	12.9	12.9	9.4	1904 Aug. 4.5	1910.0	60 42 30.4	349 26 1.9
542 Susanna	März 28	12.9	12.8	9.0	1904 Aug. 16.5	1910.0	345 38 28.2	212 17 44.6
543 Charlotte	März 13	13.2	12.7	8.7	1904 Nov. 11.5	1910.0	348 26 5.2	105 5 43.9
544 Jetta	Aug. 22	11.9	12.6	9.5	1904 Nov. 6.5	1910.0	89 4 27.2	338 21 35.6
545 Messalina	Jan. 8	13.1	12.2	8.0	1907 Mai 8.0	1910.0	222 1 28.4	326 21 17.4
546 Herodias	Sept. 8	12.6	12.1	9.0	1904 Okt. 13.5	1910.0	259 39 22.4	107 27 20.0
547 Praxedis	Mai 27	13.5	12.7	9.2	1904 Nov. 17.5	1910.0	11 9 44.8	193 3 13.7
548 Kressida	—	—	13.2	10.8	1904 Okt. 14.5	1910.0	336 36 46.1	318 28 31.0
549 Jessonda	Aug. 12	14.0	13.5	10.2	1904 Dez. 27.5	1910.0	358 10 57.7	153 34 32.7
550 Senta	Okt. 29	11.5	11.9	8.8	1907 Juni 17.0	1910.0	316 10 52.9	42 47 45.9
551 Ortrud	Mai 24	13.4	12.8	9.0	1905 Jan. 15.5	1910.0	12 40 32.4	62 4 4.5
552 Sigelinde	März 14	12.0	12.2	8.0	1905 Jan. 9.5	1910.0	206 12 40.7	329 48 30.1
553 Kundry	Febr. 27	13.6	13.7	11.5	1905 Jan. 9.5	1910.0	16 23 30.6	357 50 30.4
554 Peraga	—	—	10.8	8.2	1905 Jan. 0.0	1910.0	41 20 15.3	124 24 50.3
555 Norma	Mai 28	14.3	13.9	9.7	1905 Jan. 14.5	1910.0	2 59 42.0	350 52 47.9
556 Phyllis	—	—	12.5	9.7	1905 Jan. 16.5	1910.0	15 36 17.7	175 3 52.5
557 Violetta	—	—	13.7	11.0	1905 Jan. 14.5	1910.0	1 42 52.4	190 0 23.4
558 Carmen	Aug. 15	12.3	12.2	8.5	1905 Febr. 9.5	1910.0	41 17 34.4	314 40 14.0
559 Nanon	Dez. 25	12.6	12.3	9.0	1905 April 20.5	1910.0	321 9 51.5	125 30 48.5
560 Delila	Okt. 23	13.6	13.4	10.0	1905 März 13.5	1910.0	22 18 46.4	33 12 22.8

☊	*i*	*φ*	*μ*	Log. *a*	Autorität
° ′ ″	° ′ ″	° ′ ″	″		
90 27 43.3	10 29 22.5	16 16 9.4	780.20191	0.4385331	Millosevich.
119 15 55.8	4 26 55.8	4 36 45.1	512.449	0.560238	Lassen.
262 13 56.0	4 18 47.0	10 8 17.0	694.113	0.472384	Berberich.
327 6 38.6	8 11 46.3	7 20 50.8	829.173	0.420907	Berberich.
125 54 33.5	3 15 5.6	21 46 42.6	581.342	0.523718	P. V. Neugebauer.
137 54 21.8	2 8 33.4	8 5 57.9	644.22959	0.4939773	Knopf.
120 46 3.7	9 39 56.4	8 38 46.0	787.582	0.435808	P. V. Neugebauer.
51 49 29.5	12 42 51.3	1 8 5.7	567.149	0.530873	Berberich.
65 53 19.6	11 3 40.1	5 45 4.2	676.264	0.479926	P. V. Neugebauer.
130 9 13.2	8 26 1.0	10 27 17.8	611.920	0.508874	P. V. Neugebauer.
197 49 0.0	34 33 0.7	10 54 44.6	756.474	0.447475	Berberich.
108 19 46.1	16 22 36.6	10 6 31.8	768.8133	0.4427907	Götz.
180 44 25.0	6 23 16.4	3 25 57.8	685.108	0.476166	P. V. Neugebauer.
93 39 56.2	3 19 29.4	5 47 47.7	725.560	0.459556	Bauschinger.
84 45 17.8	6 48 8.9	1 51 11.1	862.724	0.409423	Dugan.
60 56 14.5	19 24 8.1	5 38 12.5	541.600	0.544219	Strömgren.
121 24 30.4	9 46 21.3	13 3 35.4	654.252	0.489508	P. V. Neugebauer.
142 24 22.1	6 36 23.2	9 22 44.9	630.980	0.499994	P. V. Neugebauer.
275 38 29.8	6 47 21.6	12 20 17.6	782.672	0.437618	P. V. Neugebauer.
202 1 49.9	5 33 15.2	5 3 8.0	1074.237	0.345938	P. V. Neugebauer.
268 30 54.8	5 57 29.6	2 33 35.6	751.048	0.449560	P. V. Neugebauer.
153 36 20.7	12 2 13.0	8 13 3.7	717.240	0.462894	Berberich.
296 40 42.9	8 26 57.2	9 2 0.8	662.328	0.485955	Berberich.
298 53 17.1	8 19 4.4	8 37 38.8	849.653	0.413843	Berberich.
334 27 2.5	11 11 0.7	10 35 10.4	626.1741	0.5022077	Berberich.
22 0 59.4	14 54 14.2	6 30 4.0	847.004	0.414747	Berberich.
193 29 59.2	16 56 38.9	13 46 3.9	769.074	0.442693	Berberich.
108 6 36.2	3 52 2.4	10 43 4.5	1029.495	0.358255	Berberich.
292 25 37.8	3 55 44.4	14 55 43.6	805.659	0.429237	Berberich.
271 4 28.4	10 6 49.8	12 38 50.6	851.2748	0.413292	Berberich.
9 2 55.5	0 26 16.7	7 2 31.5	693.869	0.472486	Berberich.
268 49 48.1	7 26 1.8	4 3 57.6	631.413	0.499796	Berberich.
71 58 47.4	5 17 7.4	6 21 40.1	1073.630	0.346101	Berberich.
295 48 6.5	2 56 14.3	8 54 53.0	969.164	0.375740	Abetti.
130 57 4.1	2 38 44.7	8 50 39.9	624.247	0.503100	Berberich.
285 55 15.3	5 14 18.5	5 46 43.4	915.845	0.392123	Berberich.
293 25 59.7	2 31 9.7	5 35 58.3	929.468	0.387848	Berberich.
144 19 47.1	8 21 1.0	2 14 1.0	715.481	0.463606	Berberich.
112 27 18.8	9 18 13.9	3 45 2.0	794.666	0.433215	Berberich.
103 45 8.8	8 13 39.4	7 5 19.7	778.172	0.439287	Berberich.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M			ω		
561 Ingwelde . .	Juni 23	14.6	13.9	9.7	1905 März 30.5	1910.0	67°	22'	32.6"	302°	12'	58.7"
562 Salome . . .	Okt. 11	12.5	12.9	9.0	1905 April 8.5	1910.0	241	39	15.7	257	21	3.7
563 Suleika . . .	—	—	11.1	7.8	1910 Juni 21.0	1910.0	201	13	3.6	333	39	53.9
564 Dudu	—	—	13.7	10.3	1905 Mai 9.5	1910.0	329	11	6.8	211	29	56.6
565 Marbachia .	Febr. 5	12.2	12.9	10.2	1905 Mai 9.5	1910.0	69	45	0.0	290	15	39.7
566 Stereoskopia	Juli 21	11.3	11.5	7.0	1905 Juni 1.5	1910.0	243	19	3.6	295	28	35.7
567 Eleutheria .	Okt. 2	13.5	13.1	9.0	1905 Juni 3.5	1910.0	34	48	12.4	149	57	2.9
568 Cheruskia . .	Jan. 16	11.7	12.3	8.6	1905 Aug. 21.5	1910.0	291	43	54.1	170	31	48.8
569 Misa	April 20	12.9	12.4	9.2	1905 Juli 27.5	1910.0	271	43	15.6	137	54	52.4
570 [1905 *QX*] .	Okt. 17	12.1	12.7	8.1	1905 Aug. 3.5	1910.0	323	12	44.3	139	5	21.5
571 [1905 *QZ*] .	Juli 16	13.5	13.8	11.2	1905 Okt. 2.5	1910.0	345	47	59.8	23	33	36.0
572 [1905 *RB*] .	Sept. 20	11.9	12.9	10.5	1905 Sept. 19.5	1910.0	339	5	16.1	198	29	16.4
573 [1905 *RC*] .	—	—	13.2	9.2	1905 Sept. 19.5	1910.0	346	7	29.5	28	47	17.0
574 [1905 *RD*] .	Nov. 27	12.5	14.3	12.0	1905 Sept. 30.5	1905.0	329	33	9.9	74	58	58.3
575 [1905 *RE*] .	April 3	13.9	13.5	10.5	1905 Okt. 4.5	1910.0	29	6	33.6	337	56	22.3
576 Emanuela . .	—	—	12.7	8.8	1905 Sept. 22.5	1910.0	11	14	22.6	31	22	7.0
577 [1905 *RH*] .	—	—	13.0	8.9	1905 Okt. 30.5	1910.0	71	29	57.1	321	2	10.2
578 [1905 *RZ*] .	Febr. 20	12.0	12.0	8.6	1905 Nov. 1.5	1910.0	100	27	0.3	257	57	17.2
579 [1905 *SD*] .	Jan. 19	11.9	11.5	7.6	1905 Nov. 23.5	1910.0	97	39	16.0	231	12	32.5
580 [1905 *SE*] .	Jan. 10	13.4	13.7	9.6	1906 Febr. 12.5	1910.0	31	51	48.2	315	13	19.9
581 Tauntonia .	Jan. 15	13.5	13.7	9.4	1905 Dez. 24.5	1910.0	28	33	46.5	320	23	29.0
582 [1906 *SO*] .	Juli 29	13.7	12.6	9.5	1906 Jan. 23.5	1910.0	19	28	15.6	308	47	41.9
583 Klotilde . . .	—	—	13.1	8.9	1906 Jan. 0.0	1910.0	295	18	26.6	239	22	21.6
584 [1906 *SY*] .	Nov. 21	10.3	11.5	8.9	1906 Jan. 15.5	1910.0	84	51	19.1	83	0	39.3
585 [1906 *TA*] .	Nov. 26	12.5	12.7	10.0	1906 Febr. 16.5	1910.0	7	29	29.6	326	1	33.1
586 [1906 *TC*] .	April 14	13.0	12.9	9.0	1911 Febr. 16.5	1911.0	26	33	2.2	221	18	10.5
587 [1906 *TF*] .	—	—	14.3	11.8	1906 März 18.5	1910.0	3	2	13.5	185	45	37.2
588 Achilles . .	Juli 30	14.9	14.2	7.7	1907 April 15.5	1910.0	80	18	12.4	125	37	50.0
589 Croatia . .	April 17	13.0	12.7	8.6	1906 März 23.5	1910.0	141	5	33.1	210	53	18.5
590 [1906 *TO*] .	Mai 23	13.5	13.1	9.2	1911 März 21.5	1910.0	80	10	0	329	50	3.8
591 [1906 *TP*] .	Sept. 16	14.6	13.5	10.3	1906 März 18.5	1910.0	346	2	9.3	215	31	37.9
592 [1906 *TS*] .	Mai 7	13.4	12.8	8.9	1906 März 23.5	1910.0	103	51	54.2	248	14	0.9
593 [1906 *TT*] .	Juli 24	13.4	12.4	9.1	1906 März 20.5	1910.0	49	9	33.4	27	49	39.4
594 [1906 *TW*] .	Nov. 18	16.8	15.0	11.8	1906 März 30.5	1910.0	336	10	41.3	76	0	16.4
595 [1906 *TZ*] .	Mai 7	11.8	12.1	7.8	1906 Mai 18.5	1910.0	291	37	29.7	264	26	33.1
596 [1906 *UA*] .	Juli 14	11.2	12.0	8.2	1906 Febr. 22.5	1910.0	296	49	40.2	172	26	41.9
597 [1906 *UB*] .	Dez. 8	13.3	12.8	9.5	1906 April 16.5	1910.0	287	19	14.6	273	58	52.1
598 [1906 *UC*] .	Juni 27	11.9	12.0	8.5	1906 April 16.5	1910.0	161	51	51.1	285	28	7.5
599 [1906 *UJ*] .	Dez. 15	12.4	12.4	8.8	1906 April 28.5	1910.0	278	5	44.3	290	3	48.7
600 [1906 *UM*] .	Dez. 14	13.4	13.0	9.8	1906 Juni 22.5	1910.0	12	41	3.5	112	42	34.8

☊	i	φ	μ	Log. a	Autorität
160° 33′ 57.″6	1° 30′ 49.″2	8° 42′ 31.″0	624.″357	0.503049	Berberich.
71 41 19.7	11 8 31.6	5 25 14.8	677.324	0.479473	Berberich.
84 48 36.4	10 20 56.1	14 3 0.6	794.788	0.433170	Berberich.
71 19 29.8	18 11 23.1	15 49 3.5	778.746	0.439074	Berberich.
225 54 9.2	10 53 58.1	7 18 40.0	931.272	0.387286	Berberich.
81 30 49.9	5 2 0.0	7 47 28.4	570.181	0.529329	Berberich.
59 10 18.8	8 59 6.6	4 55 30.7	641.903	0.495025	Berberich.
250 11 39.3	18 21 5.4	9 40 10.3	725.727	0.459489	Berberich.
303 23 10.5	1 17 41.6	10 39 40.4	819.260	0.424390	Hackenberg.
229 45 19.8	1 41 9.4	6 28 5.2	559.597	0.534754	Berberich.
3 24 2.5	5 7 16.2	13 48 56.0	969.479	0.375645	Berberich.
194 51 53.3	9 23 27.6	10 0 31.0	1008.005	0.364362	Berberich.
343 54 36.1	9 52 9.7	6 22 6.9	678.763	0.478859	Berberich.
336 56 23.3	5 41 19.2	14 3 52.9	1045.070	0.353908	Berberich.
349 39 6.8	14 54 14.6	6 58 24.8	868.598	0.407458	Berberich.
300 12 40.5	10 12 1.3	10 59 27.9	672.075	0.481725	Berberich.
331 16 20.9	5 16 23.6	8 17 18.0	644.417	0.493893	P. V. Neugebauer.
30 35 21.5	6 11 45.6	11 9 8.7	775.472	0.440294	Kreutz.
83 21 40.4	11 2 4.4	4 35 58.0	677.103	0.479568	P. V. Neugebauer.
99 40 3.9	3 40 33.0	7 38 52.2	618.613	0.505726	P. V. Neugebauer.
103 8 5.6	21 55 39.1	2 30 51.4	615.963	0.506968	Morgan.
155 40 14.6	29 54 13.5	12 59 40.4	839.380	0.417365	Berberich.
261 26 58.1	8 17 15.3	8 31 10.8	629.074	0.500870	Osten.
282 44 25.6	10 50 13.4	14 24 37.0	962.562	0.377718	P. V. Neugebauer.
180 14 3.6	7 30 54.9	7 29 19.0	937.316	0.385414	P. V. Neugebauer.
230 58 54.4	1 35 47.7	3 26 8.8	678.6643	0.478912	Stracke.
324 13 40.9	25 1 30.4	9 29 40.6	995.965	0.367842	Berberich.
315 36 1.5	10 18 24.7	8 42 54.1	295.464	0.719668	Bidschof.
178 44 4.8	10 47 14.6	2 54 51.2	640.839	0.495506	P. V. Neugebauer.
106 47 6.7	11 9 39.0	3 53 41.4	681.469	0.477707	Berberich.
334 51 31.5	12 33 50.6	12 1 41.4	807.881	0.428440	Berberich.
169 15 27.2	10 6 31.5	7 1 12.3	676.021	0.480030	P. V. Neugebauer.
76 18 2.1	17 0 16.1	12 17 10.9	799.698	0.431387	Berberich.
155 23 47.7	32 45 44.5	20 27 11.7	833.298	0.419471	Berberich.
25 0 50.1	18 21 57.6	4 17 47.8	620.181	0.504992	P. V. Neugebauer.
71 7 48.6	14 38 14.8	9 26 11.2	706.587	0.467228	Berberich.
36 16 35.2	10 17 14.7	10 28 40.2	803.648	0.429960	Berberich.
92 29 18.9	12 10 13.6	14 5 50.8	770.503	0.442154	Berberich.
45 33 2.7	16 33 46.0	17 15 7.2	768.430	0.442925	Frederickson.
139 38 9.7	10 11 18.4	3 8 12.2	817.198	0.425120	Hammond und Frederickson.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
601 [1906 *UN*] .	Aug. 17	12.0	12.6	8.5	1906 Juli 12.0	1910.0	328° 53′ 13.″5	148° 32′ 23.″8
602 Marianna . .	März 15	13.3	12.1	8.0	1907 Jan. 0.0	1910.0	169 19 30.4	41 36 46.0
603 [1906 *TJ*] .	Sept. 16	14.5	13.9	10.9	1907 Jan. 0.0	1910.0	82 16 11.2	155 30 12.8
604 [1906 *TK*] .	März 11	13.1	12.4	8.2	1906 Febr. 16.5	1910.0	85 46 42.3	22 22 2.3
605 [1906 *UU*] .	—	—	12.9	9.0	1906 Aug. 28.5	1910.0	38 19 40.6	13 42 45.9
606 [1906 *VB*] .	Febr. 7	13.3	12.9	9.8	1906 Sept. 18.5	1910.0	354 2 14.3	55 33 48.3
607 [1906 *VC*] .	Dez. 36	12.7	12.6	9.0	1906 Sept. 18.5	1910.0	149 52 0.0	285 42 55.8
608 [1906 *VD*] .	Dez. 20	14.0	14.1	10.2	1906 Sept. 18.5	1910.0	2 17 9.8	69 12 50.4
609 [1906 *VF*] .	Nov. 19	13.1	12.8	8.9	1906 Sept. 24.5	1910.0	104 8 36.7	94 43 37.9
610 [1906 *VK*] .	Dez. 26	15.1	15.6	11.6	1906 Sept. 26.5	1910.0	356 4 8.3	352 44 47.4
611 [1906 *VL*] .	—	—	12.3	9.8	1906 Nov. 2.5	1910.0	311 33 44.1	254 17 51.7
612 [1906 *VN*] .	Nov. 5	14.0	14.6	10.4	1906 Okt. 8.5	1910.0	24 11 21.4	296 32 0.0
613 [1906 *VP*] .	—	—	13.0	9.3	1906 Okt. 14.5	1910.0	334 44 46.7	60 58 25.9
614 [1906 *VQ*] .	Jan. 6	13.1	13.7	10.2	1906 Okt. 11.5	1910.0	333 21 2.4	201 42 34.6
615 [1906 *VR*] .	—	—	12.6	9.4	1906 Okt. 11.5	1910.0	121 12 10.4	243 35 21.6
616 [1906 *VT*] .	Febr. 19	12.4	12.7	9.7	1906 Okt. 8.5	1910.0	284 39 35.2	107 53 55.7
617 Patroclus . .	April 2	13.2	12.6	5.9	1907 Dez. 14.0	1910.0	73 1 24.7	302 25 48.2
618 [1906 *VZ*] .	Nov. 15	12.3	12.4	8.2	1906 Okt. 25.5	1910.0	33 7 17.6	235 5 21.8
619 [1906 *WC*] .	März 1	12.5	12.1	9.2	1906 Okt. 22.5	1910.0	35 14 23.9	174 46 28.1
620 Drakonia . .	März 12	14.0	13.6	10.6	1906 Nov. 6.5	1910.0	58 40 35.1	332 29 0.4
621 [1906 *WJ*] .	—	—	13.9	9.9	1906 Nov. 14.5	1910.0	332 9 17.0	29 15 48.6
622 [1906 *WP*] .	April 23	14.0	12.8	10.1	1906 Dez. 18.5	1910.0	19 40 58.6	253 50 19.2
623 [1907 *XJ*] .	Juni 9	13.4	12.8	10.0	1907 Febr. 5.5	1910.0	51 17 38.0	123 13 4.8
624 Hektor . . .	Aug. 2	13.3	13.2	6.4	1907 März 9.0	1910.0	346 3 38.5	175 6 42.2
625 [1907 *XN*] .	April 13	12.7	12.1	8.9	1907 Febr. 21.5	1910.0	180 11 33.7	201 26 39.0
626 [1907 *XO*] .	April 5	12.7	11.4	8.4	1907 Febr. 21.5	1910.0	97 38 46.1	42 16 40.4
627 [1907 *XS*] .	Febr. 6	13.4	13.1	9.3	1907 März 7.5	1910.0	211 24 57.4	152 11 26.3
628 [1907 *XT*] .	Mai 23	12.2	12.2	9.2	1907 März 12.5	1910.0	185 26 16.9	213 34 40.0
629 [1907 *XU*] .	—	—	13.8	9.7	1907 März 7.5	1910.0	21 17 50.2	31 40 42.7
630 [1907 *XW*] .	Mai 26	13.5	13.5	10.3	1907 März 12.5	1910.0	5 28 27.0	42 42 27.6
631 [1907 *YJ*] .	Juni 4	12.4	12.3	8.8	1907 April 11.5	1910.0	66 40 35.6	276 20 22.3
632 [1907 *YX*] .	Aug. 26	14.2	14.5	11.3	1907 April 12.5	1910.0	339 21 29.5	248 15 59.6
633 [1907 *ZM*] .	Mai 1	13.1	12.9	9.1	1907 Juni 5.5	1910.0	285 16 53.7	181 45 9.7
634 [1907 *ZN*] .	Mai 2	13.6	13.1	9.1	1907 Juni 5.5	1910.0	273 47 51.4	216 6 7.6
635 [1907 *ZS*] .	Mai 4	13.1	12.6	8.5	1907 Juni 12.5	1910.0	227 8 54.1	214 50 24.0
636 [1907 *XP*] .	Febr. 16	13.3	12.4	8.7	1907 März 2.5	1907.0	171 51 57.8	294 7 53.9
637 [1907 *YE*] .	Jan. 8	13.6	14.0	9.8	1907 April 9.5	1908.0	8 19 36.0	172 25 44.1
638 [1907 *ZQ*] .	Juli 25	13.0	13.5	10.1	1907 Mai 20.5	1908.0	3 29 54.8	125 45 12.0
639 [1907 *ZT*] .	Juli 11	11.7	12.1	8.2	1907 Juli 31.5	1907.0	338 0 32.2	56 25 58.3
640 [1907 *ZW*] .	Juli 8	12.6	13.0	8.8	1907 Okt. 22.5	1907.0	81 31 30.9	24 47 52.8

☊	i	φ	μ	Log. a	Autorität
170° 30′ 11″.6	16° 2′ 55″.2	6° 23′ 41″.5	640″.8147	0.4955162	Svoboda.
333 10 21.1	15 54 49.5	16 16 0.1	650.9343	0.490980	Varnum.
343 40 3.7	8 7 47.4	8 28 45.5	869.24105	0.407243	Zimmer.
12 28 55.2	4 40 7.2	14 12 14.1	627.395	0.501643	Barton.
343 21 36.0	19 40 12.9	7 45 29.6	679.007	0.478756	R. Coniel.
319 2 3.6	8 39 46.5	12 29 1.0	853.184	0.412642	P. V. Neugebauer.
286 5 16.5	10 4 37.8	4 32 56.8	737.698	0.454752	P. V. Neugebauer.
295 1 36.8	9 23 5.6	6 42 29.1	675.233	0.480369	P. V. Neugebauer.
166 26 48.0	4 9 12.5	1 54 54.8	654.955	0.489196	P V. Neugebauer.
21 8 56.5	12 49 15.5	14 21 25.7	658.573	0.487602	P. V. Neugebauer.
190 21 36.3	13 18 9.4	7 48 13.9	686.547	0.475558	Hammond.
25 8 49.0	20 34 1.4	15 33 35.2	633.186	0.498984	R. Coniel.
355 47 15.7	7 44 34.2	3 9 6.9	712.025	0.465008	P. V. Neugebauer.
217 34 5.6	7 12 58.7	5 27 29.8	801.678	0.430672	P. V. Neugebauer.
14 0 14.0	2 46 28.3	6 12 12.3	831.720	0.420020	P. V. Neugebauer.
356 6 10.9	15 0 22.4	3 40 57.9	868.924	0.407350	P. V. Neugebauer.
43 28 35.9	22 3 15.1	8 14 37.9	300.532	0.714644	Heinrich.
111 30 24.9	17 1 46.8	3 27 5.4	622.091	0.504102	P. V. Neugebauer.
187 39 15.4	13 38 56.9	4 18 7.3	886.616	0.401514	P. V. Neugebauer.
0 18 18.3	7 46 1.1	7 44 31.4	931.23617	0.387298	Stouffer.
67 46 12.3	2 22 7.5	8 44 20.0	646.397	0.493006	P. V. Neugebauer.
142 24 53.6	8 38 44.5	14 8 38.8	944.890	0.383084	Hammond.
308 29 59.6	14 11 32.6	6 35 32.0	918.318	0.391343	Kritzinger.
341 58 57.0	18 8 33.9	1 56 46.5	293.1585	0.721936	Strömgren.
127 50 8.5	12 11 42.0	13 20 54.2	828.707	0.421070	P. V. Neugebauer.
341 37 38.6	25 25 19.5	13 52 38.1	859.674	0.410448	P. V. Neugebauer.
142 51 33.8	6 24 23.7	3 20 20.4	708.465	0.466460	P. V. Neugebauer.
112 9 31.8	11 32 38.8	2 36 13.1	860.566	0.410150	P. V. Neugebauer.
88 10 36.6	9 22 49.4	9 42 19.8	636.547	0.497450	P. V. Neugebauer.
105 16 41.7	13 50 34.2	6 35 43.3	825.166	0.422310	P. V. Neugebauer.
225 3 1.6	18 50 0.0	4 36 8.2	761.090	0.445713	P. V. Neugebauer.
358 7 33.5	2 15 26.1	11 11 27.9	816.080	0.425516	P. V. Neugebauer.
147 54 45.4	10 53 4.1	5 53 13.8	672.022	0.481750	P. V. Neugebauer.
134 16 37.2	12 19 26.7	10 49 5.5	666.037	0.484340	P. V. Neugebauer.
184 20 14.5	11 1 17.2	4 46 31.6	637.791	0.496886	P. V. Neugebauer.
35 24 23.5	7 56 27.7	9 57 10.5	714.6833	0.463929	Hall.
357 34 2.6	0 20 7.2	7 22 8.8	625.5773	0.502484	Snow.
103 38 18.3	7 41 31.6	9 19 44.3	784.6983	0.436869	Snow.
281 26 7.9	8 36 14.0	5 43 14.7	681.063	0.477880	P. V. Neugebauer.
235 58 21.3	13 20 41.9	4 27 25.9	631.6072	0.499707	Kobold.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
641 [1907 *ZX*] .	Febr. 7	14.3	14.5	12.3	1907 Okt. 13.5	1907.0	316° 4′ 12.8″	16° 14′ 28.8″
642 [1907 *ZY*] .	Aug. 8	14.2	13.5	9.3	1907 Okt. 13.5	1907.0	249 13 36.1	114 18 7.8
643 [1907 *ZZ*] .	Juli 9	14.2	13.9	9.4	1907 Sept. 12.5	1907.0	279 19 21.7	194 48 52.3
644 [1907 *AA*] .	—	—	13.1	10.0	1907 Nov. 6.5	1907.0	22 28 46.4	263 37 32.2
645 [1907 *AG*] .	Aug. 1	14.1	13.5	9.3	1907 Sept. 29.5	1907.0	284 39 33.0	89 8 41.6
646 [1907 *AC*] .	—	—	14.5	12.1	1907 Sept. 18.5	1907.0	13 16 3.9	35 25 9.3
647 [1907 *AD*] .	—	—	13.5	10.8	1907 Sept. 16.5	1907.0	311 18 23.4	173 15 10.9
648 [1907 *AE*] .	Aug. 11	13.8	13.1	8.9	1907 Sept. 16.5	1907.0	285 3 26.1	170 6 17.3
649 [1907 *AF*] .	—	—	15.1	12.1	1907 Sept. 11.5	1907.0	7 4 30.0	346 49 8.9
650 [1907 *AM*] .	—	--	14.7	11.9	1907 Okt. 4.5	1907.0	3 3 39.3	176 4 27.1
651 [1907 *AN*] .	Okt. 14	13.0	13.5	9.6	1907 Okt. 4.5	1907.0	9 56 25.8	349 23 52.7
652 Jubilatrix .	—	—	13.3	10.3	1907 Nov. 4.5	1907.0	43 0 32.1	274 33 0.7
653 [1907 *BK*] .	Nov. 12	13.1	12.9	9.0	1907 Dez. 21.5	1909.0	250 49 12.4	49 0 19.2
654 Zelinda . . .	Mai 11	11.1	11.1	8.7	1912 Mai 21.5	1910.0	78 47 25.8	212 24 18.0
655 [1907 *BF*] .	Okt. 19	12.1	12.6	8.7	1907 Dez. 11.5	1909.0	359 29 49.3	279 15 13.5
656 [1908 *BU*] .	Nov. 21	13.5	13.6	9.5	1908 Jan. 25.5	1908.0	334 23 21.2	321 33 2.4
657 [1908 *BV*] .	—	—	13.7	10.6	1908 Jan. 28.5	1908.0	311 49 19.6	239 11 47.2
658 [1908 *BW*].	—	—	13.6	10.0	1908 Febr. 9.5	1908.0	57 58 54.4	65 6 46.0
659 Nestor. . . .	Aug. 31	13.8	14.4	7.7	1908 März 23.5	1908.0	240 38 5.1	327 31 27.6
660 [1908 *CC*] .	Jan. 16	11.1	10.6	7.6	1908 Jan. 12.5	1908.0	221 57 35.9	107 23 10.3
661 [1908 *CL*] .	—	—	12.7	8.8	1908 Febr. 26.5	1908.0	20 26 7.8	154 47 9.0
662 Newtonia . .	April 10	13.2	13.3	10.3	1908 April 26.5	1910.0	298 9 14.7	163 20 1.9
663 [1908 *DG*] .	Jan. 21	12.5	13.0	9.0	1908 Juni 27.5	1908.0	78 4 18.6	308 37 6.3
664 [1908 *DH*] .	Jan. 20	15.1	14.2	10.0	1908 Juni 27.5	1908.0	6 21 50.5	90 4 28.3
665 [1908 *DK*] .	Febr. 10	13.1	12.8	8.7	1908 Juli 27.5	1908.0	40 38 57.9	314 27 8.2
666 [1908 *DM*] .	Juli 17	13.2	13.6	10.5	1908 Juli 27.5	1908.0	314 31 43.3	171 2 1.5
667 [1908 *DN*] .	Mai 9	13.9	13.4	9.2	1908 Aug. 24.5	1908.0	236 16 13.3	304 30 8.7
668 [1908 *DO*] .	Mai 1	15.0	15.0	11.5	1908 Aug. 21.5	1908.0	358 3 9.6	108 22 10.7
669 [1908 *DQ*] .	April 15	13.4	13.7	9.8	1908 Aug. 27.5	1908.0	53 59 9.5	99 54 9.0
670 [1908 *DR*] .	Juni 5	13.6	13.4	9.9	1908 Nov. 15.0	1908.0	356 26 39.5	191 28 40.9
671 Carnegia . .	Juni 4	13.5	13.1	9.0	1908 Sept. 28.5	1908.0	289 12 29.5	82 2 50.6
672 [1908 *DY*] .	Sept. 12	12.8	13.3	10.3	1908 Sept. 24.5	1908.0	54 53 25.9	308 21 8.9
673 [1908 *EA*] .	Juli 13	13.0	13.0	9.4	1908 Sept. 24.5	1908.0	265 57 47.1	228 16 8.8
674 Rachel . . .	Aug. 2	11.6	10.7	7.0	1911 Juni 26.5	1910.0	142 0 40.7	39 5 5.4
675 [1908 *DU*] .	Juli 8	11.7	11.2	7.8	1908 Sept. 1.5	1908.0	315 3 23.6	148 16 2.4
676 [1909 *FN*] .	Nov. 27	12.5	12.5	8.5	1909 Jan. 27.5	1909.0	182 57 15.1	178 45 0.1
677 [1909 *FR*] .	Okt. 18	13.1	12.9	9.2	1909 März 15.0	1910.0	303 18 6.8	272 51 44.1
678 [1909 *FS*] .	Dez. 36	11.7	12.6	9.6	1909 März 13.0	1910.0	71 37 48.3	116 51 32.8
679 Pax	—	—	10.9	7.8	1909 März 9.5	1910.0	100 19 3.7	264 45 23.3
680 [1909 *GW*].	Dez. 27	14.5	13.2	8.9	1909 Mai 17.5	1909.0	306 45 38.9	237 50 12.3

☊	i	φ	μ	Log. a	Autorität
40° 38′ 27.″0	1° 43′ 47.″5	7° 15′ 52.″8	1072.″478	0.346412	P. V. Neugebauer.
7 21 52.5	8 12 23.4	8 2 31.3	627.201	0.501734	P. V. Neugebauer.
255 22 17.4	13 47 35.6	4 26 16.1	577.5812	0.525596	G. Struve.
108 52 41.9	1 2 20.0	9 18 25.2	841.850	0.416514	Palisa.
0 47 29.7	7 4 16.1	8 56 0.6	620.253	0.504958	Frederickson.
302 54 6.3	6 56 23.4	12 16 10.0	1000.933	0.366401	P. V. Neugebauer.
254 44 6.5	7 18 38.0	11 11 53.9	929.838	0.387734	P. V. Neugebauer.
292 41 59.2	9 59 11.4	12 44 41.0	624.825	0.502832	P. V. Neugebauer.
357 12 59.5	12 46 42.7	16 16 15.1	869.564	0.407136	P. V. Neugebauer.
215 40 20.4	2 33 31.8	10 46 12.3	918.478	0.391292	P. V. Neugebauer.
38 49 59.8	10 45 10.0	5 23 25.2	674.638	0.480624	P. V. Neugebauer.
86 15 29.2	15 43 11.0	7 14 9.8	869.682	0.407097	Hopfner.
133 47 9.9	11 16 46.7	2 46 34.1	679.1475	0.478695	Snow.
278 14 44.9	18 9 27.0	13 15 16.9	1019.2617	0.3611473	Millosevich.
130 36 38.9	6 29 29.5	4 51 28.0	686.4657	0.475592	Lamson.
186 15 21.0	0 26 32.3	7 36 45.5	638.477	0.496574	P. V. Neugebauer.
298 13 21.1	10 16 48.2	6 15 55.4	843.374	0.415991	P. V. Neugebauer.
352 11 10.1	1 32 13.5	3 18 45.4	732.015	0.456992	P. V. Neugebauer.
349 57 41.7	4 31 14.7	6 23 59.1	300.785	0.714500	Ebell.
156 37 21.5	15 14 23.6	5 52 48.2	877.992	0.404344	Frederickson.
336 48 24.2	9 20 55.0	2 22 32.7	678.143	0.479124	Stracke.
133 30 23.2	4 6 8.0	12 43 4.0	870.112	0.406954	Daniel.
233 46 58.4	17 45 16.5	8 42 58.5	659.479	0.487204	P. V. Neugebauer.
175 51 38.6	8 31 5.8	14 2 19.2	628.749	0.501020	P. V. Neugebauer.
299 49 27.4	14 38 7.4	9 49 56.3	634.836	0.498231	P. V. Neugebauer.
215 34 41.9	7 34 9.7	13 56 19.3	850.116	0.413686	P. V. Neugebauer.
153 54 14.8	25 16 0.5	9 49 23.3	618.029	0.505998	P. V. Neugebauer.
216 2 50.2	6 48 13.0	13 20 26.6	759.640	0.446266	P. V. Neugebauer.
171 20 12.8	10 54 45.5	6 5 53.4	676.435	0.479854	P. V. Neugebauer.
175 10 26.8	7 32 37.2	11 16 55.6	756.0233	0.447648	Hellerich.
1 40 8.7	7 52 45.8	4 55 25.3	642.815	0.494614	Stracke.
344 2 11.5	11 0 17.5	7 28 2.9	871.386	0.406530	P. V. Neugebauer.
228 9 40.5	2 49 46.9	0 37 43.5	750.907	0.449614	Stracke.
58 51 33.8	13 36 39.7	11 4 19.1	708.36112	0.466501	Bianchi.
263 53 11.9	9 43 10.0	11 41 4.4	769.260	0.442622	Stracke.
151 2 6.1	12 47 37.0	6 52 59.0	659.867	0.487034	P. V. Neugebauer.
274 12 14.2	8 31 38.1	1 54 12.8	710.648	0.465568	Hopfner.
282 17 18.1	6 2 59.1	12 34 57.1	859.332	0.410564	Hopfner.
112 53 46.9	24 25 19.4	18 9 19.2	850.9616	0.413398	Zappa.
40 53 16.7	18 1 16.3	16 9 54.1	624.125	0.503154	Stracke.

Nr. und Name	Opposition 1912	Gr.	m_0	g	Epoche und Oskulation	Mittl. Äqu.	M	ω
681 [1909 *GZ*] .	—	—	14.3	10.2	1909 Mai 17.5	1909.0	307° 53′ 36.9″	116° 2′ 59.7″
682 [1909 *HA*] .	Jan. 25	15.4	14.8	11.4	1909 Juni 20.5	1909.0	344 6 13.2	99 29 52.4
683 [1909 *HC*] .	—	—	12.4	8.3	1909 Juli 27.5	1909.0	131 33 13.3	269 8 22.6
684 [1909 *HD*] .	April 10	13.5	13.5	10.8	1909 Aug. 25.5	1909.0	25 44 45.9	315 29 13.3
685 [1909 *HE*] .	Mai 22	12.8	13.5	11.2	1909 Aug. 16.5	1909.0	10 1 32.1	78 33 44.9
686 [1909 *HF*] .	März 7	14.8	13.9	10.6	1909 Aug. 15.0	1910.0	356 24 20.4	85 29 53.0
687 Tinette . . .	April 12	16.1	14.8	11.4	1909 Aug. 16.5	1909.0	332 7 51.9	50 8 34.6
688 Melanie . . .	März 12	13.8	13.5	10.0	1909 Aug. 26.5	1909.0	26 57 24.7	137 55 28.0
689 [1909 *HJ*] .	Mai 30	14.3	14.2	11.8	1909 Sept. 12.5	1909.0	1 9 16.5	186 44 23.7
690 [1909 *HZ*] .	März 15	12.8	11.8	7.7	1909 Okt. 25.5	1909.0	18 2 40.0	110 23 50.8
691 Lehigh . . .	Mai 21	13.3	12.8	8.9	1909 Dez. 31.0	1910.0	57 52 8.8	296 0 1.9
692 [1901 *HD*] .	Aug. 13	14.1	13.3	8.8	1910 April 30.5	1910.0	77 42 48	47 0 18
693 [1909 *HN*] .	März 22	12.8	12.8	9.0	1909 Sept. 26.5	1909.0	85 1 34.8	291 24 21.0
694 Ekard	März 28	13.5	12.4	9.1	1909 Dez. 31.5	1909.0	52 40 25.9	107 45 14.0
695 [1909 *JB*] .	Juni 1	9.0	9.2	6.2	1909 Nov. 7.5	1909.0	47 13 37	77 45 11
696 Leonora . . .	Mai 6	14.4	13.2	9.0	1910 Febr. 1.5	1911.0	54 44 47.7	94 56 13.2
697 [1910 *JO*] . .	Aug. 5	11.7	12.5	8.8	1910 März 5.5	1910.0	153 39 23.8	330 32 21.7
698 [1910 *JX*] .	Sept. 9	14.4	13.8	10.2	1910 März 10.5	1910.0	23 55 34.5	97 20 29.3
699 [1910 *KD*] .	Jan. 8	15.5	14.5	11.4	1910 Juni 14.5	1910.0	323 14 55.3	88 43 12.0
700 [1910 *KE*] .	—	—	15.1	10.9	1910 Aug. 4.5	1910.0	64 9 50.5	98 40 38.9
701 [1910 *KN*] .	Dez. 27	13.2	13.1	9.2	1910 Aug. 24.5	1910.0	106 40 38.0	306 37 20.0
702 [1910 *KQ*] .	Dez. 38	12.1	12.0	7.8	1910 Aug. 4.5	1910.0	61 16 50	321 3 47
703 [1910 *KT*] .	März 28	14.7	13.9	11.9	1910 Okt. 14.5	1910.0	351 18 30.0	173 50 46.8
704 Interamnia .	Jan. 22	10.4	10.3	6.3	1910 Okt. 25.5	1910.0	9 13 5.4	92 4 15.1
705 [1910 *KV*] .	Febr. 11	11.3	12.1	8.3	1910 Dez. 14.5	1910.0	305 32 0.7	96 46 36.4
706 [1910 *KX*] .	Jan. 28	14.5	13.9	10.5	1910 Okt. 15.5	1910.0	10 2 0.7	28 52 0.3
707 [1910 *LD*] .	April 29	14.2	13.6	11.6	1911 Jan. 1.5	1911.0	72 42 25.7	86 16 49.0
708 [1911 *LJ*] .	Juni 11	13.0	13.2	10.0	1911 Febr. 3.5	1910.0	308 33 43.9	196 7 48.9
709 [1911 *LK*] .	April 3	12.6	12.1	8.4	1911 Febr. 19.5	1911.0	150 16 17.9	14 12 41.2
710 [1911 *LM*] .	Juni 19	13.4	14.1	10.0	1911 März 18.5	1911.0	299 33 0.2	98 56 34.3
711 [1911 *LN*] .	Okt. 8	12.6	13.0	10.8	1911 März 23.5	1911.0	251 40 3.0	299 11 21.4
712 [1911 *LO*] .	April 3	12.3	11.5	8.3	1911 März 31.5	1911.0	39 57 22.2	185 9 39.3
713 [1911 *LS*] . .	Juni 6	12.8	12.9	8.3	1911 April 28.5	1911.0	220 10 2.1	128 34 51.3
714 [1911 *LW*] .	Aug. 5	12.0	11.3	8.8	1911 Mai 25.5	1911.0	111 28 18.0	228 52 17.8
[1894 *BD*] .	—	—	13.3	11.3	1894 Nov. 1.5	1900.0	337 18 8.4	356 39 18.9
[1902 *JT*] .	—	—	—	—	1902 Okt. 23.5	1902.0	33 40 54.1	245 30 35.0
[1904 *OR*] .	—	—	—	—	1904 Okt. 3.5	1904.0	357 7 3.9	60 22 31.4
[1906 *UT*] .	—	—	12.3	8.5	1906 Aug. 29.5	1906.0	246 19 17.1	279 19 40.4
[1906 *WA*] .	—	—	13.6	9.5	1906 Okt. 25.5	1906.0	335 44 25.8	235 55 34.2
[1908 *CV*] .	—	—	—	—	1908 Febr. 9.0	1908.0	318 39 29	78 8 18
[1908 *DC*] .	—	—	—	—	1908 April 26.5	1908.0	22 46 15	345 36 5
[1908 *DW*] .	—	—	—	—	1908 Sept. 21.5	1908.0	19 30 32.5	129 26 55.2

☊	i	φ	μ	Log. a	Autorität
179° 2′ 24.″7	12° 34′ 11.″0	4° 46′ 49.″3	648.″157	0.492218	Stracke.
191 37 25.1	11 28 24.3	9 42 1.0	826.032	0.422006	Stracke.
260 37 20.6	18 29 56.6	2 45 18.5	643.696	0.494218	P. V. Neugebauer.
336 42 54.2	5 29 21.7	1 43 47.9	929.525	0.387831	Stracke.
235 21 32.3	3 38 20.5	11 19 5.6	1061.169	0.349474	Stracke.
244 5 14.7	15 43 11.2	15 27 45.3	852.865	0.412751	Pechüle.
335 8 22.4	14 57 45.2	15 46 10.9	791.1977	0.434481	Palisa.
171 12 55.0	10 8 29.3	7 57 50.0	803.148	0.430141	Stracke.
167 50 10.9	5 42 0.6	13 18 21.0	1011.533	0.363352	P. V. Neugebauer.
254 46 9.6	11 11 46.5	10 44 44.4	637.567	0.496988	P. V. Neugebauer.
88 54 34.6	13 1 36.5	7 16 10.8	678.253	0.479076	Reynolds.
65 5 36	26 32 48	9 18 12	571.903	0.52846	Kromm, Dubosq.
352 22 15.2	14 11 37.3	1 28 32.6	701.873	0.469166	P. V. Neugebauer.
231 25 31.1	15 47 7.6	19 8 48.7	812.262	0.426874	Nicholson, Stotts.
275 38 14	13 55 42	8 56 35	877.30	0.40457	Davis.
302 57 52.3	12 53 1.7	13 56 7.4	621.910	0.504186	Snow.
16 4 17.3	15 8 8.3	9 1 45.6	725.913	0.459414	Berberich.
41 25 28.0	11 32 4.0	6 20 11.3	729.893	0.457832	Berberich.
243 59 48.2	15 13 12.5	24 21 28.5	839.804	0.417219	Berberich.
96 33 6.5	6 47 51.2	6 2 33.3	1065.639	0.348265	Palisa.
244 53 6.7	7 4 44.2	1 49 17.2	678.435	0.478999	Palisa.
290 46 47	20 46 56	1 8 5	623.04	0.503661	Pechüle.
213 30 47.3	2 26 24.0	8 0 48.5	1106.287	0.337426	Hopfner.
281 12 57.7	17 18 12.6	8 56 8.6	663.518	0.485436	Cerulli.
3 0 49.1	25 0 53.3	3 9 8.4	708.653	0.466382	Hopfner.
325 39 25.7	14 30 43.5	11 15 23.9	785.6367	0.436517	Stracke.
281 47 33.8	4 17 38.2	6 52 34.1	1101.230	0.338754	Stracke.
355 41 22.6	3 30 46.0	4 53 7.8	812.569	0.426764	Berberich.
324 55 44.6	16 18 20.4	6 37 54.3	714.180	0.464142	Stracke.
140 41 28.6	1 44 43.0	7 5 51.7	646.829	0.492812	Hopfner.
357 3 49.1	6 7 17.5	11 12 23.7	1062.444	0.349134	Hopfner.
230 27 31.9	12 44 39.2	11 43 42.0	815.455	0.425740	Stracke.
220 50 18.1	10 8 9.5	9 7 54.5	566.8338	0.531417	Stracke.
233 51 2.7	14 21 9.7	2 35 16.8	874.166	0.405610	Stracke.
72 35 44.3	3 27 48.4	8 33 50.4	1104.735	0.337832	Berberich.
80 11 55.9	2 28 7.5	11 54 31.0	637.160	0.497172	Berberich.
301 18 11.1	5 28 38.8	9 4 57.1	642.729	0.494652	Berberich.
180 59 31.4	23 18 33.6	2 59 20.8	691.888	0.473314	Kritzinger.
193 50 5.4	9 15 15.4	8 51 34.8	649.218	0.491744	P. V. Neugebauer.
131 54 59	13 42 15	17 46 19	620.44	0.50487	Hirayama.
209 11 4	19 56 6	6 52 25	612.32	0.50869	Burns, Mc. Kellean.
178 11 33.9	6 17 23.5	27 13 22.8	818.534	0.42464	Palisa.

Planet	m_0	Epoche	Argument der Breite	☊	i	μ	Log. a
			° ′ ″	° ′ ″	° ′ ″	″	
1893 *C* . .	13.5	1893 Jan. 23.5	167 48 0	321 27 42	3 33 48	1182.9	0.31804
1893 *U* . .	13.0	1893 April 10.5	93 23 42	88 59 54	7 49 6	944.3	0.38330
1893 *X* . .	13	1893 März 21.5	112 50 17	72 17 48	1 34 4	423.40	0.61550
1893 *Y* . .	13	1893 April 17.5	79 39 46	124 24 8	0 18 4	549.95	0.53980
1894 *AW*.	12	1894 Febr. 3.5	62 6 12	21 39 36	4 33 42	996.0	0.36781
1896 *CU*.	12.0	1896 Sept. 3.5	100 46 25	243 53 26	5 51 46	692.17	0.47320
1898 *DW*.	13.5	1898 Nov. 19.5	181 1 17	229 11 55	14 40 58	841.15	0.41675
1898 *DX*.	—	1898 Nov. 19.5	182 5 12	227 3 49	22 26 34	589.39	0.51973
1898 *DY*.	13.5	1898 Nov. 13.5	198 18 19	216 46 18	3 15 55	673.12	0.48128
1898 *DZ* .	12.5	1898 Nov. 17.5	174 26 37	239 40 46	3 53 1	881.73	0.40312
1898 *EA* .	13	1898 Nov. 13.5	181 15 2	227 33 5	27 23 43	508.71	0.56236
1900 *FE* .	12.5	1900 März 6.5	33 49 36	129 37 12	13 13 24	882.1	0.40300
1900 *FL* .	14.0	1900 Sept. 28.5	152 4 21	197 51 1	6 39 4	768.78	0.44280
1901 *HC*.	—	1901 Nov. 12.5	202 51 49	193 51 50	16 21 55	701.06	0.46950
1902 *HY*.	—	1902 Juni 2.5	164 42 33	68 13 39	9 0 13	656.86	0.48836
1903 *LD* .	—	1903 Jan. 18.5	181 6 10	300 36 51	15 33 1	754.21	0.44834
1903 *LX*[a]	—	1903 Sept. 1.5	38 57 42	287 19 24	7 21 12	709.92	0.46587
1903 *LZ* .	—	1903 Aug. 30.5	153 22 42	189 17 0	9 22 0	759.30	0.44640
1903 *MC*.	—	1903 Sept. 29.5	185 33 38	167 13 30	26 16 59	564.44	0.53225
1903 *MD*.	—	1903 Sept. 29.5	358 34 29	354 45 52	14 35 22	654.46	0.48942
1903 *MF*.	—	1903 Sept. 29.5	183 25 53	171 9 13	10 55 45	783.09	0.43746
1903 *MM*.	—	1903 Okt. 14.5	181 15 12	195 37 36	4 56 48	714.71	0.46392
1903 *MN*.	—	1903 Okt. 24.5	350 9 6	39 35 0	7 51 54	945.90	0.38276
1903 *NF* .	—	1903 Dez. 18.5	216 0 54	230 11 48	15 16 54	849.85	0.41380
1903 *NG* .	—	1903 Nov. 14.5	178 3 42	230 52 18	8 38 12	649.73	0.49152
1904 *OD* .	—	1904 Mai 14.5	186 3 33	42 38 38	12 53 11	610.50	0.50954
1904 *OP* .	—	1904 Sept. 5.5	45 37 34	293 4 6	13 37 4	735.20	0.45572
1904 *QW*.	—	1904 April 4.5	70 11 57	108 54 13	11 14 22	716.53	0.46318
1905 *RN*.	—	1905 Okt. 24.5	63 34 0	336 9 12	3 12 42	828.93	0.42100
1906 *UK*.	12.9	1906 Mai 14.5	102 21 52	131 2 1	12 20 4	776.69	0.43984
1906 *VW*.	—	1906 Nov. 11.5	190 13 12	207 30 36	9 19 42	799.40	0.43150
1906 *VX*.	—	1906 Nov. 11.5	350 31 6	46 39 30	7 44 30	588.99	0.51994
1906 *WD*.	—	1906 Okt. 26.5	195 49 0	203 7 0	48 8 0	387	0.6595
1907 *XV*.	—	1907 März 12.5	68 19 30	82 27 36	10 52 24	567.56	0.53000
1907 *YR* .	—	1907 April 18.5	85 46 47	97 13 3	6 59 40	470.40	0.58510
1908 *MF*.	—	1908 Dez. 19.5	338 19 58	111 32 39	25 27 41	700.34	0.46980
1910 *JY* .	—	1910 April 5.5	356 14 50	193 7 28	14 54 50	654.05	0.48960

Mittleres Äquinoktium des Jahresanfangs.

(465) Alekto 13.9 1908*)

1912	α		δ		log Δ
Jan. −8	6h 33m.9	9.4	+26° 27′	2	0.394
2	6 24.5	8.7	+26 25	6	0.390
12	6 15.8	7.9	+26 19	11	0.392
22	6 7.9		+26 8		0.398

(69) Hesperia 9.7 1905

1912	α		δ		log Δ
Jan. −8	6 48.2	8.6	+ 9 5	5	0.186
2	6 39.6	8.3	+ 9 10	19	0.182
12	6 31.3	7.2	+ 9 29	32	0.186
22	6 24.1		+10 1		0.197

(259) Aletheia 12.6 1905

1912	α		δ		log Δ
Jan. −8	6 50.0	8.9	+25 31	33	0.390
2	6 41.1	8.8	+26 4	28	0.387
12	6 32.3	8.0	+26 32	25	0.390
22	6 24.3		+26 57		0.398

(140) Siwa 12.4 1910

1912	α		δ		log Δ
Jan. −8	6 52.6	9.6	+22 14	18	0.358
2	6 43.0	9.5	+22 32	16	0.358
12	6 33.5	8.4	+22 48	13	0.362
22	6 25.1		+23 1		0.374

(406) Erna 13.7 1910

1912	α		δ		log Δ
Jan. 2	6 57.6	9.8	+26 24	1	0.308
12	6 47.8	8.8	+26 25	4	0.314
22	6 39.0	6.9	+26 21	12	0.325
Febr. 1	6 32.1		+26 9		0.342

(358) Apollonia 11.8 1905

1912	α		δ		log Δ
Jan. 2	7 3.0	9.3	+17 15	21	0.194
12	6 53.7	8.3	+17 36	23	0.198
22	6 45.4	6.3	+17 59	23	0.210
Febr. 1	6 39.1		+18 22		0.228

(52) Europa 9.6 1910

1912	α		δ		log Δ
Jan. 2	7 3.9	8.8	+17 29	39	0.243
12	6 55.1	8.1	+18 8	40	0.244
22	6 47.0	6.4	+18 48	35	0.252
Febr. 1	6 40.6		+19 23		0.266

(614) [1906 *VQ*] 13.1 1906

1912	α		δ		log Δ
Jan. 3	7 9.3	9.4	+11 28	7	0.186
13	6 59.9	8.7	+11 35	15	0.186
23	6 51.2	6.7	+11 50	26	0.200
Febr. 2	6 44.5		+12 16		0.217

(458) Hercynia 12.9 1905*)

1912	α		δ		log Δ
Jan. 2	7h 18m.7	8.9	+11° 42′	68	0.181
12	7 9.8	8.3	+12 50	75	0.185
22	7 1.5	6.5	+14 5	76	0.198
Febr. 1	6 55.0		+15 21		0.216

(637) [1907 *YE*] 13.6 1910

1912	α		δ		log Δ
Jan. 3	7 19.9	8.9	+22 40	16	0.296
13	7 11.0	8.6	+22 56	13	0.294
23	7 2.4	7.2	+23 9	9	0.298
Febr. 2	6 55.2		+23 18		0.308

(488) Kreusa 10.7 1910

1912	α		δ		log Δ
Jan. 2	7 21.9	9.4	+28 7	58	0.248
12	7 12.5	9.1	+29 5	49	0.245
22	7 3.4	7.7	+29 54	36	0.250
Febr. 1	6 55.7		+30 30		0.260

(545) Messalina 13.1 1907

1912	α		δ		log Δ
Jan. 2	7 22.1	9.5	+33 40	2	0.442
12	7 12.6	9.1	+33 42	8	0.443
22	7 3.5	7.9	+33 34	16	0.448
Febr. 1	6 55.6		+33 18		0.458

(699) [1910 *KD*] 15.5 1910

1912	α		δ		log Δ
Jan. 2	7 23.9	10.3	+ 6 17	2	0.333
12	7 13.6	9.7	+ 6 15	8	0.338
22	7 3.9	8.2	+ 6 23	18	0.348
Febr. 1	6 55.7		+ 6 41		0.363

(580) [1905 *SE*] 13.4 1910

1912	α		δ		log Δ
Jan. 2	7 30.7	8.7	+22 35	30	0.288
12	7 22.0	8.5	+23 5	27	0.288
22	7 13.5	7.4	+23 32	22	0.295
Febr. 1	7 6.1		+23 54		0.308

(469) Argentina 12.3 1910

1912	α		δ		log Δ
Jan. 2	7 33.8	10.3	+35 3	1	0.298
12	7 23.5	10.3	+35 2	17	0.294
22	7 13.2	8.9	+34 45	30	0.296
Febr. 1	7 4.3		+34 15		0.303

(198) Ampella 11.4 1910

1912	α		δ		log Δ
Jan. 2	7 38.5	11.2	+16 12	12	0.202
12	7 27.3	10.8	+16 0	4	0.204
22	7 16.5	10.0	+15 56	0	0.214
Febr. 1	7 6.5		+15 56		0.231

*) Die Jahreszahl gibt das Jahr der letzten veröffentlichten Beobachtung an.

(192) Nausikaa 9.6 1907

1912	α		δ		log Δ
Jan. 12	7ʰ 39ᵐ.9	12.3	+30° 57′	8	0.142
22	7 27.6	10.4	+30 49	21	0.154
Febr. 1	7 17.2	7.5	+30 28	30	0.174
11	7 9.7		+29 58		0.199

(474) Prudentia 13.9 1910

1912	α		δ		log Δ
Jan. 12	7 46.9	9.8	+11 20	44	0.284
22	7 37.1	9.1	+12 4	49	0.286
Febr. 1	7 28.0	7.5	+12 53	50	0.295
11	7 20.5		+13 43		0.310

(340) Eduarda 12.4 1908

1912	α		δ		log Δ
Jan. 12	7 48.0	10.3	+28 58	22	0.182
22	7 37.7	9.3	+29 20	9	0.187
Febr. 1	7 28.4	6.9	+29 29	−5	0.200
11	7 21.5		+29 24		0.218

(581) Tauntonia 13.5 1910

1912	α		δ		log Δ
Jan. 12	7 48.6	9.0	+27 7	78	0.331
22	7 39.6	8.5	+28 25	68	0.333
Febr. 1	7 31.1	7.0	+29 33	55	0.342
11	7 24.1		+30 28		0.355

(312) Pierretta 13.2 1910

1912	α		δ		log Δ
Jan. 12	7 50.9	10.6	+33 57	15	0.340
22	7 40.3	10.0	+34 12	1	0.340
Febr. 1	7 30.3	8.3	+34 13	−13	0.346
11	7 22.0		+34 0		0.358

(568) Cheruskia 11.7 1907

1912	α		δ		log Δ
Jan. 12	7 52.2	9.6	− 1 4	22	0.214
22	7 42.6	8.8	− 1 26	1	0.216
Febr. 1	7 33.8	6.7	− 1 27	−18	0.226
11	7 27.1		− 1 9		0.243

(660) [1908 *CC*] 11.1 1910

1912	α		δ		log Δ
Jan. 11	7 55.7	9.3	+ 5 9	61	0.255
21	7 46.4	9.0	+ 6 10	74	0.251
31	7 37.4	7.7	+ 7 24	81	0.254
Febr. 10	7 29.7		+ 8 45		0.264

(210) Isabella 12.2 1906

1912	α		δ		log Δ
Jan. 12	7 57.4	10.4	+29 32	15	0.204
22	7 47.0	9.9	+29 47	12	0.207
Febr. 1	7 37.1	7.5	+29 59	1	0.219
11	7 29.6		+30 0		0.237

(66) Maja 11.7 1909

1912	α		δ		log Δ
Jan. 12	8ʰ 1ᵐ.7	10.6	+25° 37′	21	0.152
22	7 51.1	9.7	+25 58	13	0.157
Febr. 1	7 41.4	7.5	+26 11	2	0.170
11	7 33.9		+26 13		0.190

(476) Hedwig 11.7 1910

1912	α		δ		log Δ
Jan. 12	8 5.7	10.4	+17 14	5	0.270
22	7 55.3	9.8	+17 9	4	0.269
Febr. 1	7 45.5	8.5	+17 5	5	0.274
11	7 37.0		+17 0		0.285

(468) Lina 13.6 1907

1912	α		δ		log Δ
Jan. 12	8 8.3	8.6	+20 54	27	0.384
22	7 59.7	8.2	+21 21	20	0.390
Febr. 1	7 51.5	7.3	+21 41	17	0.393
11	7 44.2		+21 58		0.405

(579) [1905 *SD*] 11.9 1910

1912	α		δ		log Δ
Jan. 12	8 9.7	9.2	+28 57	50	0.357
22	8 0.5	8.9	+29 47	37	0.357
Febr. 1	7 51.6	7.8	+30 24	25	0.363
11	7 43.8		+30 49		0.374

(144) Vibilia 10.9 1909

1912	α		δ		log Δ
Jan. 12	8 11.6	10.6	+24 52	46	0.241
22	8 1.0	9.8	+25 38	32	0.246
Febr. 1	7 51.2	8.3	+26 10	21	0.258
11	7 42.9		+26 31		0.276

(1) Ceres 7.0 1910

1912	α		δ		log Δ
Jan. 12	8 11.6	9.9	+30 7	65	0.209
22	8 1.7	9.7	+31 12	50	0.207
Febr. 1	7 52.0	8.3	+32 2	32	0.210
11	7 43.7		+32 34		0.225

(443) Photographica 12.2 1909

1912	α		δ		log Δ
Jan. 12	8 11.9	10.2	+13 19	42	0.073
22	8 1.7	11.0	+14 1	53	0.068
Febr. 1	7 50.7	8.5	+14 54	51	0.073
11	7 42.2		+15 45		0.086

(664) [1908 *DH*] 15.1 1908

1912	α		δ		log Δ
Jan. 18	8 9.9	7.7	+10 25	33	0.440
28	8 2.2	7.4	+10 58	38	0.438
Febr. 7	7 54.8	6.3	+11 36	38	0.441
17	7 48.5		+12 14		0.449

(663) [1908 *DG*] 12.5 1908

1912	α		δ		log Δ
Jan. 18	8h 14m.7	8.2	−6° 15′	4	0.270
28	8 6.5	7.9	−6 19	$\overline{22}$	0.265
Febr. 7	7 58.6	6.9	−5 57	41	0.267
17	7 51.7		−5 16		0.274

(281) Lucretia 12.8 1906

1912	α		δ		log Δ
Jan. 12	8 21.2	12.5	+29 51	39	0.036
22	8 8.7	11.7	+30 30	18	0.040
Febr. 1	7 57.0	9.5	+30 48	$\overline{4}$	0.053
11	7 47.5		+30 44		0.065

(704) Interamnia 10.4 1910

1912	α		δ		log Δ
Jan. 12	8 22.1	9.4	+10 33	14	0.339
22	8 12.7	8.3	+10 19	9	0.338
Febr. 1	8 4.4	8.9	+10 10	12	0.344
11	7 55.5		+ 9 58		0.354

(375) Ursula 11.5 1907

1912	α		δ		log Δ
Jan. 12	8 23.5	10.1	+34 19	5	0.389
22	8 13.4	10.1	+34 24	$\overline{10}$	0.388
Febr. 1	8 3.3	8.8	+34 14	21	0.393
11	7 54.5		+33 53		0.403

(43) Ariadne 10.9 1910

1912	α		δ		log Δ
Jan. 22	8 23.0	11.5	+15 48	28	0.188
Febr. 1	8 11.5	10.4	+16 16	27	0.188
11	8 1.1	8.3	+16 43	23	0.196
21	7 52.8		+17 6		0.211

(194) Prokne 11.7 1908

1912	α		δ		log Δ
Jan. 22	8 24.6	8.7	+ 3 48	68	0.351
Febr. 1	8 15.9	8.3	+ 4 56	75	0.352
11	8 7.6	6.6	+ 6 11	78	0.359
21	8 1.0		+ 7 29		0.371

(162) Laurentia 11.3 1909

1912	α		δ		log Δ
Jan. 22	8 31.5	9.1	+29 8	33	0.182
Febr. 1	8 22.4	8.5	+29 41	14	0.182
11	8 13.9	6.6	+29 55	$\overline{2}$	0.190
21	8 7.3		+29 53		0.205

(343) Ostara 13.0 1903

1912	α		δ		log Δ
Jan. 22	8 32.8	11.3	+25 0	35	0.078
Febr. 1	8 21.5	9.6	+25 35	17	0.088
11	8 11.9	6.8	+25 52	3	0.108
21	8 5.1		+25 55		0.134

(201) Penelope 12.6 1901

1912	α		δ		log Δ
Jan. 22	8h 32m.8	9.1	+14° 0′	46	0.320
Febr. 1	8 23.7	9.0	+14 46	46	0.322
11	8 14.7	6.4	+15 32	40	0.330
21	8 8.3		+16 12		0.344

(438) Zeuxo 13.5 1910

1912	α		δ		log Δ
Jan. 22	8 33.4	10.7	+30 11	40	0.219
Febr. 1	8 22.7	10.0	+30 51	22	0.221
11	8 12.7	8.0	+31 13	3	0.229
21	8 4.7		+31 16		0.244

(682) [1909 *HA*] 15.4 1909

1912	α		δ		log Δ
Jan. 26	8 28.3	8.7	+ 3 28	49	0.323
Febr. 5	8 19.6	7.9	+ 4 17	57	0.323
15	8 11.7	6.4	+ 5 14	61	0.329
25	8 5.3		+ 6 15		0.341

(75) Eurydike 12.8 1910

1912	α		δ		log Δ
Jan. 22	8 37.7	10.0	+24 38	26	0.361
Febr. 1	8 27.7	9.3	+25 4	19	0.365
11	8 18.4	7.9	+25 23	7	0.375
21	8 10.5		+25 30		0.389

(149) Medusa 12.0 1909

1912	α		δ		log Δ
Jan. 22	8 40.3	11.2	+17 22	46	0.061
Febr. 1	8 29.1	10.4	+18 8	41	0.063
11	8 18.7	7.8	+18 49	33	0.076
21	8 10.9		+19 22		0.096

(337) Devosa 10.6 1905

1912	α		δ		log Δ
Jan. 22	8 42.5	12.0	+30 20	2	0.049
Febr. 1	8 30.5	10.8	+30 22	$\overline{21}$	0.054
11	8 19.7	8.0	+30 1	39	0.067
21	8 11.7		+29 22		0.089

(706) [1910 *KX*] 14.5 1910

1912	α		δ		log Δ
Jan. 22	8 46.2	10.8	+25 55	1	0.308
Febr. 1	8 35.4	10.3	+25 56	$\overline{11}$	0.311
11	8 25.1	8.6	+25 45	20	0.321
21	8 16.5		+25 25		0.336

(240) Vanadis 12.0 1906

1912	α		δ		log Δ
Jan. 22	8 48.1	9.4	+18 34	48	0.155
Febr. 1	8 38.7	9.0	+19 22	42	0.160
11	8 29.7	7.4	+20 4	30	0.171
21	8 22.3		+20 34		0.193

1912	α		δ		log Δ
(225) Henrietta			13.9		1908
Jan. 22	8ʰ 47.5ᵐ	6.8	−7° 51′	32	0.526
Febr. 1	8 40.7	6.6	−7 19	39	0.522
11	8 34.1	5.9	−6 40	55	0.522
21	8 28.2		−5 45		0.526
(319) Leona			14.0		1904
Jan. 22	8 54.0	7.3	+3 51	42	0.352
Febr. 1	8 46.7	7.2	+4 33	51	0.353
11	8 39.5	6.3	+5 24	57	0.358
21	8 33.2		+6 21		0.370
(503) Evelyn			11.3		1910
Jan. 22	9 0.7	9.3	+24 48	54	0.110
Febr. 1	8 51.4	9.1	+25 42	40	0.110
11	8 42.3	7.5	+26 22	22	0.118
21	8 34.8		+26 44		0.136
(42) Isis			11.6		1910
Jan. 22	9 1.7	10.4	+26 3	58	0.301
Febr. 1	8 51.3	10.2	+27 1	47	0.300
11	8 41.1	9.0	+27 48	32	0.306
21	8 32.1		+28 20		0.318
(217) Eudora			14.6		1909
Febr. 1	8 59.5	7.8	+9 42	49	0.444
11	8 51.7	7.2	+10 31	50	0.445
21	8 44.5	6.2	+11 21	49	0.450
März 2	8 38.3		+12 10		0.460
(527) Euryanthe			13.3		1909
Jan. 22	9 4.8	8.9	+18 58	62	0.334
Febr. 1	8 55.9	8.8	+20 0	58	0.332
11	8 47.1	8.0	+20 58	49	0.336
21	8 39.1		+21 47		0.345
(204) Kallisto			12.3		1904
Febr. 1	9 7.6	9.2	+4 2	47	0.270
11	8 58.4	8.5	+4 49	56	0.266
21	8 49.9	7.0	+5 45	60	0.268
März 2	8 42.9		+6 45		0.270
(444) Gyptis			11.9		1910
Febr. 1	9 15.3	8.2	+2 42	51	0.342
11	9 7.1	7.5	+3 33	58	0.342
21	8 59.6	6.9	+4 31	62	0.349
März 2	8 52.7		+5 33		0.360

1912	α		δ		log Δ
(387) Aquitania			10.7		1908
Febr. 1	9ʰ 16.4ᵐ	9.2	+18° 26′	95	0.352
11	9 7.2	8.5	+20 1	74	0.351
21	8 58.7	8.0	+21 15	67	0.355
März 2	8 50.7		+22 22		0.363
(565) Marbachia			12.2		1905
Febr. 1	9 16.7	9.2	−4 54	35	0.078
11	9 7.5	8.4	−4 19	61	0.073
21	8 59.1	6.7	−3 18	80	0.076
März 2	8 52.4		−1 58		0.087
(161) Athor			11.8		1910
Febr. 1	9 22.5	11.4	+28 59	31	0.240
11	9 11.1	10.8	+29 30	13	0.242
21	9 0.3	8.8	+29 43	−6	0.250
März 2	8 51.5		+29 37		0.265
(190) Ismene			11.2		1909
Febr. 1	9 22.7	6.8	+9 35	44	0.378
11	9 15.9	6.1	+10 19	45	0.378
21	9 9.8	5.4	+11 4	43	0.384
März 2	9 4.4		+11 47		0.394
(627) [1907 *XS*]			13.4		1907
Jan. 30	9 25.5	8.0	+14 1	55	0.324
Febr. 9	9 17.5	8.0	+14 56	55	0.322
19	9 9.5	7.1	+15 51	49	0.325
29	9 2.4		+16 40		0.334
(373) Melusina			13.4		1907
Febr. 1	9 25.1	9.8	+33 10	16	0.394
11	9 15.3	9.2	+33 26	−3	0.397
21	9 6.1	7.8	+33 23	18	0.405
März 2	8 58.3		+33 5		0.418
(425) Cornelia			12.8		1907
Febr. 1	9 26.3	9.0	+21 30	43	0.250
11	9 17.3	8.5	+22 13	35	0.248
21	9 8.8	7.3	+22 48	22	0.255
März 2	9 1.5		+23 10		0.267
(641) [1907 *ZX*]			14.3		1907
Jan. 30	9 28.6	11.1	+18 16	51	0.060
Febr. 9	9 17.5	10.5	+19 7	39	0.063
19	9 7.0	7.3	+19 46	39	0.076
29	8 59.7		+20 25		0.092

1912	α		δ		log Δ
(606) [1906 *VB*] 13.3 1906					
Jan. 30	9ʰ 28ᵐ.9	10.4	+15° 36′	20	0.256
Febr. 9	9 18.5	10.0	+15 56	16	0.258
19	9 8.5	8.4	+16 12	9	0.268
29	9 0.1		+16 21		0.284
(482) Petrina 12.3 1909					
Febr. 1	9 35.4	7.4	+ 0 24	60	0.341
11	9 28.0	7.5	+ 1 24	72	0.335
21	9 20.5	6.6	+ 2 36	76	0.334
März 2	9 13.9		+ 3 52		0.340
(436) Patricia 13.1 1904					
Febr. 1	9 36.9	10.1	+31 31	5	0.370
11	9 26.8	9.7	+31 36	9	0.371
21	9 17.1	8.5	+31 27	24	0.378
März 2	9 8.6		+31 3		0.390
(665) [1908 *DK*] 13.1 1908					
Febr. 7	9 37.2	8.8	+ 5 28	8	0.358
17	9 28.4	8.4	+ 5 36	13	0.354
27	9 20.0	7.2	+ 5 49	15	0.357
März 8	9 12.8		+ 6 4		0.364
(705) [1910 *KV*] 11.3 1910					
Jan. 22	10 1.5	12.4	+19 48	60	0.156
Febr. 1	9 49.1	13.7	+20 48	52	0.154
11	9 35.4	13.2	+21 40	36	0.158
21	9 22.2		+22 16		0.169
(184) Dejopeja 12.2 1908					
Febr. 11	9 45.3	7.5	+13 52	33	0.314
21	9 37.8	7.3	+14 25	33	0.316
März 2	9 30.5	6.0	+14 58	25	0.323
12	9 24.5		+15 23		0.335
(262) Valda 13.6 1900					
Febr. 11	9 45.6	10.6	+27 20	25	0.137
21	9 35.0	8.9	+27 45	2	0.150
März 2	9 26.1	6.5	+27 47	19	0.169
12	9 19.6		+27 28		0.194
(462) Eriphyla 13.7 1909					
Febr. 11	9 49.4	8.5	+16 12	49	0.320
21	9 40.9	7.8	+17 1	41	0.322
März 2	9 33.1	6.2	+17 42	31	0.331
12	9 26.9		+18 13		0.344

1912	α		δ		log Δ
(239) Adrastea 14.6 1900					
Febr. 11	9ʰ 49ᵐ.4	8.0	+ 7° 33′	57	0.336
21	9 41.4	7.3	+ 8 30	56	0.340
März 2	9 34.1	6.0	+ 9 26	50	0.350
12	9 28.1		+10 16		0.365
(95) Arethusa 11.6 1910					
Febr. 11	9 57.6	7.8	− 7 7	36	0.359
21	9 49.8	7.4	− 6 31	49	0.359
März 2	9 42.4	6.3	− 5 42	57	0.363
12	9 36.1		− 4 45		0.374
(331) Etheridgea 12.9 1905					
Febr. 11	9 58.2	8.5	+20 21	33	0.361
21	9 49.7	8.0	+20 54	25	0.363
März 2	9 41.7	6.8	+21 19	12	0.370
12	9 34.9		+21 31		0.383
(636) [1907 *XP*] 13.3 1910					
Febr. 4	10 4.1	8.6	+23 14	42	0.388
14	9 55.5	8.7	+23 56	32	0.387
24	9 46.8	8.1	+24 28	21	0.390
März 5	9 38.7		+24 49		0.399
(126) Velleda 12.3 1910					
Febr. 11	10 4.9	9.9	+14 27	52	0.224
21	9 55.0	9.5	+15 19	44	0.225
März 2	9 45.5	7.8	+16 3	33	0.233
12	9 37.7		+16 36		0.248
(129) Antigone 10.1 1910					
Febr. 11	10 8.7	8.1	+14 28	88	0.257
21	10 0.6	8.1	+15 56	84	0.251
März 2	9 52.5	6.9	+17 20	72	0.252
12	9 45.6		+18 32		0.259
(62) Erato 12.4 1910					
Febr. 11	10 8.7	7.9	+12 40	49	0.344
21	10 0.8	7.6	+13 29	45	0.346
März 2	9 53.2	6.5	+14 14	36	0.353
12	9 46.7		+14 50		0.366
(216) Kleopatra 10.6 1910					
Febr. 11	10 8.8	8.3	− 7 8	56	0.309
21	10 0.5	8.0	− 6 12	71	0.309
März 2	9 52.5	6.7	− 5 1	78	0.315
12	9 45.8		− 3 43		0.327

(160) Una 11.8 1910

1912	α		δ		log Δ
Febr. 11	10ʰ 10ᵐ.7	9.2	+15° 40′	39	0.240
21	10 1.5	9.0	+16 19	32	0.240
März 2	9 52.5	7.4	+16 51	20	0.248
12	9 45.1		+17 11		0.262

(4) Vesta 6.6 1910

1912	α		δ		log Δ
Febr. 11	10 13.8	9.7	+19 39	80	0.154
21	10 4.1	9.6	+20 59	66	0.150
März 2	9 54.5	8.1	+22 5	45	0.153
12	9 46.4		+22 50		0.165

(226) Weringia 13.7 1904

1912	α		δ		log Δ
Febr. 11	10 13.5	8.2	+16 4	89	0.320
21	10 5.3	8.4	+17 33	83	0.316
März 2	9 56.9	7.7	+18 56	69	0.318
12	9 49.2		+20 5		0.326

(616) [1906 *VT*] 12.4 1910

1912	α		δ		log Δ
Febr. 9	10 21.3	11.8	+24 29	2	0.164
19	10 9.5	11.5	+24 31	–17	0.163
29	9 58.0	10.0	+24 14	36	0.170
März 10	9 48.0		+23 38		0.184

(578) [1905 *RZ*] 12.7 1910

1912	α		δ		log Δ
Febr. 11	10 20.5	9.0	+18 58	44	0.333
21	10 11.5	9.0	+19 42	36	0.328
März 2	10 2.5	8.1	+20 18	23	0.330
12	9 54.4		+20 41		0.338

(372) Palma 9.7 1910

1912	α		δ		log Δ
Febr. 11	10 22.7	11.6	+ 9 17	31	0.224
21	10 11.1	11.1	+ 8 46	30	0.227
März 2	10 0.0	9.5	+ 8 16	30	0.237
12	9 50.5		+ 7 46		0.254

(500) Selinur 12.7 1910

1912	α		δ		log Δ
Febr. 21	10 15.9	11.2	— 0 1	34	0.290
März 2	10 4.7	8.2	+ 0 33	38	0.293
12	9 56.5	6.6	+ 1 11	40	0.302
22	9 49.9		+ 1 51		0.316

(163) Erigone 10.7 1909

1912	α		δ		log Δ
Febr. 11	10 25.3	8.8	+ 7 55	86	0.030
21	10 16.5	8.6	+ 9 21	85	0.031
März 2	10 7.9	7.0	+10 46	73	0.042
12	10 0.9		+11 59		0.062

(354) Eleonora 9.3 1908

1912	α		δ		log Δ
Febr. 21	10ʰ 18ᵐ.3	7.2	+16° 33′	123	0.176
März 2	10 11.1	6.6	+18 36	105	0.181
12	10 4.5	4.6	+20 21	82	0.194
22	9 59.9		+21 43		0.213

(380) Fiducia 13.2 1905

1912	α		δ		log Δ
Febr. 21	10 19.1	8.8	+18 36	54	0.301
März 2	10 10.3	7.8	+19 30	40	0.305
12	10 2.5	6.3	+20 10	24	0.315
22	9 56.2		+20 34		0.329

(101) Helena 11.4 1910

1912	α		δ		log Δ
Febr. 21	10 19.1	9.9	+13 53	23	0.293
März 2	10 9.2	8.9	+14 16	15	0.295
12	10 0.3	7.2	+14 31	5	0.304
22	9 53.1		+14 36		0.319

(420) Bertholda 12.1 1910

1912	α		δ		log Δ
Febr. 21	10 20.7	7.2	+ 0 13	42	0.368
März 2	10 13.5	6.5	+ 0 55	42	0.369
12	10 7.0	5.3	+ 1 37	49	0.375
22	10 1.7		+ 2 26		0.386

(77) Frigga 11.1 1910

1912	α		δ		log Δ
Febr. 21	10 22.1	9.0	+12 16	41	0.218
März 2	10 13.1	8.1	+12 57	34	0.225
12	10 5.0	6.2	+13 31	21	0.238
22	9 58.8		+13 52		0.257

(27) Euterpe 9.1 1909

1912	α		δ		log Δ
Febr. 15	10 27.4	9.9	+12 21	62	0.048
25	10 17.5	9.1	+13 23	52	0.052
März 6	10 8.4	7.2	+14 15	36	0.067
16	10 1.2		+14 51		0.089

(16) Psyche 10.1 1910

1912	α		δ		log Δ
Febr. 21	10 34.1	7.9	+ 9 24	54	0.344
März 2	10 26.2	7.4	+10 18	50	0.346
12	10 18.8	6.1	+11 8	41	0.354
22	10 12.7		+11 49		0.366

(57) Mnemosyne 10.8 1910

1912	α		δ		log Δ
Febr. 19	10 31.3	7.0	— 6 28	68	0.359
29	10 24.3	6.7	— 5 20	76	0.357
März 10	10 17.6	5.7	— 4 4	81	0.361
20	10 11.9		— 2 43		0.371

(147) Protogeneia 12.7 1910

1912	α		δ		log Δ
Febr. 21	10h 38.4m	7.5	+ 5° 39′	45	0.350
März 2	10 30.9	7.2	+ 6 24	44	0.350
12	10 23.7	6.2	+ 7 8	39	0.355
22	10 17.5		+ 7 47		0.365

(25) Phocaea 11.5 1909

1912	α		δ		log Δ
Febr. 21	10 42.7	9.0	−19 26	62	0.280
März 2	10 33.7	8.8	−18 24	96	0.269
12	10 24.9	7.7	−16 48	116	0.264
22	10 17.2		−14 52		0.265

(553) Kundry 13.6 1905

1912	α		δ		log Δ
Febr. 21	10 43.3	10.6	+18 28	60	0.074
März 2	10 32.7	9.6	+19 28	39	0.080
12	10 23.1	7.4	+20 7	15	0.095
22	10 15.7		+20 22		0.117

(134) Sophrosyne 11.0 1910

1912	α		δ		log Δ
Febr. 21	10 51.8	10.6	+10 35	13	0.187
März 2	10 41.2	10.2	+10 48	7	0.188
12	10 31.0	8.6	+10 55	2	0.198
22	10 22.4		+10 53		0.214

(619) [1906 *WC*] 12.5 1910

1912	α		δ		log Δ
Febr. 23	10 55.5	8.2	− 3 18	92	0.238
März 4	10 47.3	7.8	− 1 46	100	0.234
14	10 39.5	6.8	− 0 6	99	0.237
24	10 32.7		+ 1 33		0.248

(213) Lilaea 12.0 1909

1912	α		δ		log Δ
Febr. 21	10 57.1	8.2	+13 4	69	0.290
März 2	10 48.9	8.2	+14 13	62	0.284
12	10 40.7	7.4	+15 15	51	0.286
22	10 33.3		+16 6		0.296

(72) Feronia 11.7 1910

1912	α		δ		log Δ
März 2	10 51.9	9.4	+ 0 23	77	0.174
12	10 42.5	8.4	+ 1 40	77	0.173
22	10 34.1	6.4	+ 2 57	70	0.181
April 1	10 27.7		+ 4 7		0.195

(137) Meliboea 12.5 1907

1912	α		δ		log Δ
Febr. 21	10 58.4	6.9	− 6 11	55	0.429
März 2	10 51.5	6.8	− 5 16	64	0.422
12	10 44.7	6.5	− 4 12	69	0.420
22	10 38.2		− 3 3		0.430

(475) Oello 15.1 1908

1912	α		δ		log Δ
März 2	10h 59.7m	9.9	+30° 36′	22	0.423
12	10 49.8	9.2	+30 58	3	0.428
22	10 40.6	7.6	+31 1	17	0.438
April 1	10 33.0		+30 44		0.451

(247) Eukrate 11.0 1910

1912	α		δ		log Δ
Febr. 19	11 11.6	12.7	+23 51	8	0.240
29	10 58.9	12.6	+23 43	26	0.243
März 10	10 46.3	11.1	+23 17	45	0.253
20	10 35.2		+22 32		0.270

(309) Fraternitas 13.1 1891

1912	α		δ		log Δ
März 2	11 0.7	9.0	+ 8 4	41	0.270
12	10 51.7	8.2	+ 8 45	36	0.272
22	10 43.5	6.6	+ 9 21	24	0.280
April 1	10 36.9		+ 9 45		0.294

(296) Phaëtusa 14.0 1902

1912	α		δ		log Δ
März 2	11 7.3	10.0	+ 7 46	66	0.186
12	10 57.3	9.0	+ 8 52	57	0.190
22	10 48.3	7.2	+ 9 49	43	0.202
April 1	10 41.1		+10 32		0.219

(686) [1909 *HF*] 14.8 1909

1912	α		δ		log Δ
März 2	11 16.8	8.4	−18 32	50	0.355
12	11 8.4	8.3	−17 42	68	0.348
22	11 0.1	7.4	−16 34	81	0.346
April 1	10 52.7		−15 13		0.350

(34) Circe 10.9 1908

1912	α		δ		log Δ
März 2	11 20.9	7.8	+ 1 7	77	0.154
12	11 13.1	7.4	+ 2 24	77	0.153
22	11 5.7	6.0	+ 3 41	68	0.159
April 1	10 59.7		+ 4 49		0.173

(207) Hedda 11.7 1907

1912	α		δ		log Δ
März 2	11 22.9	10.1	+ 9 8	47	0.100
12	11 12.8	9.7	+ 9 55	38	0.098
22	11 3.1	7.8	+10 33	21	0.105
April 1	10 55.3		+10 54		0.121

(450) Brigitta 12.6 1907

1912	α		δ		log Δ
März 2	11 26.3	8.4	+11 44	30	0.357
12	11 17.9	8.2	+12 14	22	0.357
22	11 9.7	7.3	+12 36	10	0.363
April 1	11 2.4		+12 46		0.374

(80) Sappho 11.6 1910

1912	α		δ		log Δ
März 2	11h 28.9m	11.2	− 7° 26′	82	0.253
12	11 17.7	9.0	− 6 4	82	0.248
22	11 8.7	7.7	− 4 42	83	0.251
April 1	11 1.0		− 3 19		0.260

(604) [1906 *TK*] 13.1 1906

1912	α		δ		log Δ
März 6	11 27.2	7.5	+ 6 21	39	0.416
16	11 19.7	7.2	+ 7 0	34	0.419
26	11 12.5	6.0	+ 7 34	26	0.427
April 5	11 6.5		+ 8 0		0.440

(541) Deborah 12.9 1910

1912	α		δ		log Δ
März 2	11 29.4	8.2	− 6 31	43	0.264
12	11 21.2	8.1	− 5 48	52	0.258
22	11 13.1	7.0	− 4 56	56	0.259
April 1	11 6.1		− 4 0		0.267

(35) Leukothea 11.0 1909

1912	α		δ		log Δ
März 4	11 31.4	9.0	+ 4 50	14	0.156
14	11 22.4	8.8	+ 5 4	11	0.150
24	11 13.6	7.3	+ 5 15	2	0.152
April 3	11 6.3		+ 5 17		0.162

(98) Ianthe 10.4 1901

1912	α		δ		log Δ
März 2	11 35.3	11.5	+ 6 33	29	0.085
12	11 23.8	11.1	+ 6 4	33	0.084
22	11 12.7	9.4	+ 5 31	40	0.092
April 1	11 3.3		+ 4 51		0.109

(620) Drakonia 14.0 1908

1912	α		δ		log Δ
März 9	11 32.8	9.9	+ 5 9	36	0.244
19	11 22.9	9.3	+ 5 45	30	0.244
29	11 13.6	7.6	+ 6 15	19	0.252
April 8	11 6.0		+ 6 34		0.265

(688) Melanie 13.8 1909

1912	α		δ		log Δ
März 3	11 36.2	7.7	+ 2 15	81	0.294
13	11 28.5	7.6	+ 3 36	81	0.289
23	11 20.9	7.0	+ 4 57	75	0.290
April 2	11 13.9		+ 6 12		0.298

(543) Charlotte 13.2 1910

1912	α		δ		log Δ
März 12	11 37.4	7.8	− 8 50	41	0.377
22	11 29.6	7.1	− 8 9	45	0.378
April 1	11 22.5	6.0	− 7 24	45	0.385
11	11 16.5		− 6 39		0.396

(31) Euphrosyne 10.4 1907

1912	α		δ		log Δ
März 12	11h 38.9m	11.5	+35° 55′	40	0.274
22	11 27.4	10.1	+35 15	70	0.285
April 1	11 17.3	7.6	+34 5	93	0.302
11	11 9.7		+32 32		0.321

(199) Byblis 12.3 1907

1912	α		δ		log Δ
März 12	11 41.3	8.2	+26 3	45	0.332
22	11 33.1	7.3	+26 48	20	0.334
April 1	11 25.8	6.1	+27 8	−2	0.341
11	11 19.7		+27 6		0.352

(552) Sigelinde 12.0 1909

1912	α		δ		log Δ
März 12	11 41.6	7.5	− 9 59	45	0.315
22	11 34.1	7.0	− 9 14	54	0.312
April 1	11 27.1	5.8	− 8 20	65	0.315
11	11 21.3		− 7 15		0.324

(602) Marianna 13.3 1906

1912	α		δ		log Δ
März 14	11 42.7	7.8	− 8 4	27	0.466
24	11 34.9	7.3	− 7 37	32	0.467
April 3	11 27.6	6.3	− 7 5	32	0.473
13	11 21.3		− 6 33		0.482

(334) Chicago 12.2 1911

1912	α		δ		log Δ
März 12	11 43.4	6.0	+ 6 2	45	0.474
22	11 37.4	5.7	+ 6 47	40	0.475
April 1	11 31.7	5.4	+ 7 27	31	0.480
11	11 26.3		+ 7 58		0.490

(182) Elsa 11.3 1910

1912	α		δ		log Δ
März 12	11 44.2	9.3	+ 5 17	61	0.194
22	11 34.9	8.3	+ 6 18	51	0.201
April 1	11 26.6	6.5	+ 7 9	35	0.216
11	11 20.1		+ 7 44		0.236

(690) Wratislavia 12.8 1911

1912	α		δ		log Δ
März 13	11 45.4	7.2	−14 25	49	0.441
23	11 38.2	6.6	−13 36	56	0.440
April 2	11 31.6	5.8	−12 40	60	0.443
12	11 25.8		−11 40		0.450

(522) Helga 13.0 1911

1912	α		δ		log Δ
März 12	11 46.1	6.3	+ 6 47	45	0.467
22	11 39.8	6.0	+ 7 32	39	0.468
April 1	11 33.8	5.1	+ 8 11	30	0.474
11	11 28.7		+ 8 41		0.483

(455) Bruchsalia 12.9 1907

1912	α	Diff.	δ	Diff.	log Δ
März 12	11h 47.7m	8.5	+19° 43′	44	0.393
22	11 39.2	8.1	+20 27	29	0.396
April 1	11 31.1	7.0	+20 56	10	0.404
11	11 24.1		+21 6		0.415

(322) Phaeo 13.5 1911

1912	α	Diff.	δ	Diff.	log Δ
März 12	11 48.3	7.8	−10 28	52	0.396
22	11 40.5	7.5	− 9 36	59	0.394
April 1	11 33.0	6.4	− 8 37	60	0.398
11	11 26.6		− 7 37		0.406

(143) Adria 12.1 1909

1912	α	Diff.	δ	Diff.	log Δ
März 12	11 54.5	9.6	− 7 44	13	0.212
22	11 44.9	9.3	− 7 31	21	0.208
April 1	11 35.6	7.8	− 7 10	22	0.212
11	11 27.8		− 6 48		0.222

(270) Anahita 11.7 1910

1912	α	Diff.	δ	Diff.	log Δ
März 12	11 56.0	10.0	− 3 43	65	0.177
22	11 46.0	9.5	− 2 38	68	0.173
April 1	11 36.5	8.1	− 1 30	62	0.177
11	11 28.4		− 0 28		0.188

(447) Valentine 12.3 1910

1912	α	Diff.	δ	Diff.	log Δ
März 12	11 56.4	7.7	+ 7 55	47	0.325
22	11 48.7	7.4	+ 8 42	38	0.326
April 1	11 41.3	6.4	+ 9 20	25	0.333
11	11 34.9		+ 9 45		0.345

(479) Caprera 13.6 1909

1912	α	Diff.	δ	Diff.	log Δ
März 12	11 57.8	8.0	+ 8 57	70	0.307
22	11 49.8	7.6	+10 7	58	0.312
April 1	11 42.2	6.4	+11 5	42	0.322
11	11 35.8		+11 47		0.338

(135) Hertha 11.8 1910

1912	α	Diff.	δ	Diff.	log Δ
März 12	11 58.4	9.4	− 0 39	50	0.279
22	11 49.0	9.1	+ 0 11	53	0.251
April 1	11 39.9	6.9	+ 1 4	41	0.251
11	11 33.0		+ 1 45		0.279

(46) Hestia 11.5 1910

1912	α	Diff.	δ	Diff.	log Δ
März 12	11 58.8	8.5	− 0 9	63	0.291
22	11 50.3	8.2	+ 0 54	60	0.290
April 1	11 42.1	7.2	+ 1 54	53	0.295
11	11 34.9		+ 2 47		0.306

(136) Austria 11.6 1906

1912	α	Diff.	δ	Diff.	log Δ
März 12	12h 1.9m	8.6	− 2° 53′	101	0.159
22	11 53.3	8.4	− 1 12	102	0.154
April 1	11 44.9	7.0	+ 0 30	93	0.157
11	11 37.9		+ 2 3		0.168

(277) Elvira 13.5 1909

1912	α	Diff.	δ	Diff.	log Δ
März 12	12 3.8	7.7	− 1 53	52	0.334
22	11 56.1	7.6	− 1 1	52	0.332
April 1	11 48.5	6.6	− 0 9	46	0.336
11	11 41.9		+ 0 37		0.346

(470) Kilia 11.3 1909

1912	α	Diff.	δ	Diff.	log Δ
März 12	12 3.9	8.1	+ 0 18	109	0.090
22	11 55.8	7.8	+ 2 7	95	0.085
April 1	11 48.0	6.4	+ 3 42	80	0.089
11	11 41.6		+ 5 2		0.102

(437) Rhodia 13.6 1909

1912	α	Diff.	δ	Diff.	log Δ
März 12	12 6.1	9.7	−12 55	56	0.259
22	11 56.4	9.4	−11 59	66	0.250
April 1	11 47.0	8.5	−10 53	71	0.247
11	11 38.5		− 9 42		0.251

(351) Yrsa 11.6 1907

1912	α	Diff.	δ	Diff.	log Δ
März 12	12 7.5	8.3	+15 26	60	0.168
22	11 59.2	7.7	+16 26	39	0.173
April 1	11 51.5	6.4	+17 5	12	0.185
11	11 45.1		+17 17		0.202

(435) Ella 12.9 1910

1912	α	Diff.	δ	Diff.	log Δ
März 12	12 9.0	9.0	+ 0 19	53	0.266
22	12 0.0	9.0	+ 1 12	52	0.262
April 1	11 51.0	7.9	+ 2 4	44	0.266
11	11 43.1		+ 2 48		0.276

(411) Xanthe 12.7 1911

1912	α	Diff.	δ	Diff.	log Δ
März 12	12 10.7	7.9	+21 47	67	0.315
22	12 2.8	7.7	+22 54	46	0.314
April 1	11 55.1	6.8	+23 40	22	0.320
11	11 48.3		+24 2		0.330

(7) Iris 9.2 1910

1912	α	Diff.	δ	Diff.	log Δ
März 17	12 12.5	9.4	−10 24	64	0.248
27	12 3.1	8.8	− 9 20	68	0.250
April 6	11 54.3	7.3	− 8 12	68	0.258
16	11 47.0		− 7 4		0.272

(130) Elektra 11.5 1911

1912	α		δ		log Δ
März 12	12ʰ 12.9ᵐ	6.8	+15° 50′	80	0.438
22	12 6.1	6.8	+17 10	67	0.440
April 1	11 59.3	6.0	+18 17	50	0.446
11	11 53.3		+19 7		0.457

(693) [1909 *HN*] 12.8 1911

1912	α		δ		log Δ
März 12	12 13.8	8.9	−4 55	9	0.298
22	12 4.9	9.2	−4 46	16	0.293
April 1	11 55.7	8.3	−4 30	14	0.295
11	11 47.4		−4 16		0.303

(224) Oceana 11.7 1910

1912	α		δ		log Δ
März 12	12 15.2	9.0	−2 45	33	0.221
22	12 6.2	9.1	−2 12	35	0.215
April 1	11 57.1	8.0	−1 37	32	0.217
11	11 49.1		−1 5		0.225

(36) Atalante 12.9 1907

1912	α		δ		log Δ
März 12	12 24.8	9.7	−4 31	17	0.356
22	12 15.1	9.7	−4 14	20	0.355
April 1	12 5.4	8.7	−3 54	19	0.360
11	11 56.7		−3 35		0.370

(381) Myrrha 12.3 1911

1912	α		δ		log Δ
März 22	12 16.3	7.0	+14 29	59	0.335
April 1	12 9.3	6.6	+15 28	43	0.337
11	12 2.7	5.2	+16 11	22	0.344
21	11 57.5		+16 33		0.356

(439) Ohio 13.1 1909

1912	α		δ		log Δ
März 22	12 27.0	6.7	−10 52	92	0.347
April 1	12 20.3	6.2	−9 20	95	0.346
11	12 14.1	5.2	−7 45	92	0.351
21	12 8.9		−6 13		0.361

(154) Bertha 10.8 1909

1912	α		δ		log Δ
März 22	12 28.5	9.6	+18 19	6	0.294
April 1	12 18.9	9.1	+18 13	25	0.296
11	12 9.8	7.5	+17 48	46	0.304
21	12 2.3		+17 2		0.318

(379) Huenna 13.5 1911

1912	α		δ		log Δ
März 22	12 30.3	7.1	−2 43	49	0.431
April 1	12 23.2	6.8	−1 54	47	0.430
11	12 16.4	5.9	−1 7	40	0.433
21	12 10.5		−0 27		0.441

(703) [1910 *KT*] 14.7 1910

1912	α		δ		log Δ
März 22	12ʰ 33.1ᵐ	9.9	−5° 35′	72	0.165
April 1	12 23.2	9.2	−4 23	72	0.164
11	12 14.0	7.6	−3 11	63	0.172
21	12 6.4		−2 8		0.185

(542) Susanna 12.9 1911

1912	α		δ		log Δ
März 22	12 33.1	7.2	+6 3	70	0.368
April 1	12 25.9	6.9	+7 13	61	0.369
11	12 19.0	5.9	+8 14	47	0.375
21	12 13.1		+9 1		0.386

(256) Walpurga 12.9 1909

1912	α		δ		log Δ
März 22	12 33.4	6.3	−2 34	91	0.270
April 1	12 27.1	5.8	−1 3	87	0.268
11	12 21.3	5.2	+0 24	77	0.273
21	12 16.1		+1 41		0.283

(694) Ekard 13.5 1909

1912	α		δ		log Δ
März 22	12 34.8	8.1	−19 32	66	0.373
April 1	12 26.7	8.0	−18 26	81	0.365
11	12 18.7	7.0	−17 5	88	0.362
21	12 11.7		−15 37		0.365

(215) Oenone 12.9 1910

1912	α		δ		log Δ
März 22	12 41.0	8.2	−3 32	47	0.270
April 1	12 32.8	8.1	−2 45	45	0.267
11	12 24.7	7.0	−2 0	39	0.271
21	12 17.7		−1 21		0.281

(333) Badenia 13.6 1911

1912	α		δ		log Δ
März 22	12 36.0	7.7	−5 5	39	0.427
April 1	12 28.3	7.2	−4 26	39	0.426
11	12 21.1	6.3	−3 47	36	0.429
21	12 14.8		−3 11		0.437

(472) Roma 11.8 1910

1912	α		δ		log Δ
März 22	12 41.2	8.3	+18 13	77	0.229
April 1	12 32.9	8.0	+19 30	51	0.234
11	12 24.9	6.6	+20 21	22	0.246
21	12 18.3		+20 43		0.263

(196) Philomela 10.4 1909

1912	α		δ		log Δ
März 22	12 43.2	7.6	+6 2	42	0.333
April 1	12 35.6	6.5	+6 44	33	0.332
11	12 29.1	5.6	+7 17	21	0.336
21	12 23.5		+7 38		0.346

(264) Libussa 12.8 1903

1912	α		δ		log Δ
März 22	12ʰ 46ᵐ.5	8.6	+ 6° 36′	35	0.335
April 1	12 37.9	8.3	+ 7 11	24	0.335
11	12 29.6	7.5	+ 7 35	12	0.341
21	12 22.1		+ 7 47		0.352

(499) Venusia 12.9 1911

1912	α		δ		log Δ
April 1	12 42.9	6.2	− 7 16	42	0.458
11	12 36.7	5.6	− 6 34	40	0.463
21	12 31.1	4.7	− 5 54	35	0.472
Mai 1	12 26.4		− 5 19		0.484

(238) Hypatia 12.2 1908

1912	α		δ		log Δ
April 1	12 44.5	7.0	− 2 24	78	0.333
11	12 37.5	6.3	− 1 6	70	0.336
21	12 31.2	4.9	+ 0 4	58	0.345
Mai 1	12 26.3		+ 1 2		0.359

(318) Magdalena 13.4 1911

1912	α		δ		log Δ
März 30	12 52.2	6.7	+ 2 11	66	0.358
April 9	12 45.5	6.3	+ 3 17	55	0.361
19	12 39.2	5.1	+ 4 12	42	0.369
29	12 34.1		+ 4 54		0.381

(451) Patientia 10.9 1910

1912	α		δ		log Δ
März 22	12 53.4	7.9	+18 13	44	0.347
April 1	12 45.5	7.7	+18 57	23	0.349
11	12 37.8	6.9	+19 20	3	0.356
21	12 30.9		+19 23		0.368

(617) Patroclus 13.2 1911

1912	α		δ		log Δ
März 22	12 50.9	5.1	+12 42	19	0.692
April 1	12 45.8	5.1	+13 1	12	0.691
11	12 40.7	4.9	+13 13	5	0.694
21	12 35.8		+13 18		0.698

(712) [1911 *LO*] 12.3 1911

1912	α		δ		log Δ
April 1	12 51.1	8.2	−17 10	80	0.310
11	12 42.9	7.2	−15 50	86	0.312
21	12 35.7	5.7	−14 24	84	0.320
Mai 1	12 30.0		−13 0		0.333

(467) Laura 14.7 1901

1912	α		δ		log Δ
April 1	12 52.3	8.2	−13 33	40	0.339
11	12 44.1	7.4	−12 53	43	0.340
21	12 36.7	6.2	−12 10	42	0.346
Mai 1	12 30.5		−11 28		0.358

(709) [1911 *LK*] 12.6 1911

1912	α		δ		log Δ
April 1	12ʰ 54ᵐ.9	9.3	−27° 16′	36	0.342
11	12 45.6	9.0	−26 40	37	0.337
21	12 36.6	7.6	−26 3	47	0.339
Mai 1	12 29.0		−25 16		0.345

(575) [1905 *RE*] 13.9 1909

1912	α		δ		log Δ
April 1	12 55.0	10.7	−17 38	14	0.243
11	12 44.3	10.9	−17 24	23	0.239
21	12 33.4	7.7	−17 1	28	0.242
Mai 1	12 25.7		−16 33		0.252

(236) Honoria 12.3 1904

1912	α		δ		log Δ
April 1	12 55.5	7.5	− 4 31	66	0.361
11	12 48.0	7.1	− 3 25	61	0.361
21	12 40.9	5.8	− 2 24	52	0.367
Mai 1	12 35.1		− 1 32		0.377

(626) [1907 *XO*] 12.7 1911

1912	α		δ		log Δ
April 5	12 59.5	11.7	−33 52	12	0.353
15	12 47.8	10.9	−33 40	33	0.353
25	12 36.9	9.2	−33 7	48	0.356
Mai 5	12 27.7		−32 19		0.364

(495) Eulalia 13.3 1908

1912	α		δ		log Δ
April 1	13 4.8	8.7	− 6 19	62	0.264
11	12 56.1	8.3	− 5 17	58	0.264
21	12 47.8	6.9	− 4 19	49	0.271
Mai 1	12 40.9		− 3 30		0.284

(65) Cybele 10.7 1911

1912	α		δ		log Δ
April 1	13 5.1	6.8	− 3 35	42	0.350
11	12 58.3	6.4	− 2 53	46	0.349
21	12 51.9	5.5	− 2 7	38	0.353
Mai 1	12 46.4		− 1 29		0.362

(419) Aurelia 12.7 1909

1912	α		δ		log Δ
April 1	13 5.6	8.7	−11 15	70	0.105
11	12 56.9	8.3	−10 5	75	0.094
21	12 48.6	6.8	− 8 50	70	0.095
Mai 1	12 41.8		− 7 40		0.096

(512) Taurinensis 13.8 1903

1912	α		δ		log Δ
April 1	13 7.8	10.1	+ 7 41	62	0.227
11	12 57.7	9.2	+ 8 43	48	0.227
21	12 48.5	8.4	+ 9 31	19	0.232
Mai 1	12 40.1		+ 9 50		0.247

(**365**) Corduba 12.9 1911

1912	α		δ		log Δ
April 1	13ʰ 9.7ᵐ	7.4	− 3° 55′	79	0.340
11	13 2.3	7.1	− 2 36	73	0.340
21	12 55.2	6.0	− 1 23	63	0.346
Mai 1	12 49.2		− 0 20		0.358

(**429**) Lotis 13.1 1909

1912	α		δ		log Δ
April 1	13 15.5	9.2	−13 36	73	0.288
11	13 6.3	7.8	−12 23	79	0.285
21	12 58.5	6.7	−11 4	76	0.289
Mai 1	12 51.8		− 9 48		0.298

(**684**) [1909 *HD*] 13.5 1909

1912	α		δ		log Δ
April 11	13 13.6	9.7	−14 59	41	0.159
21	13 3.9	8.4	−14 18	45	0.160
Mai 1	12 55.5	6.1	−13 33	39	0.170
11	12 49.4		−12 54		0.185

(**59**) Elpis 11.5 1911

1912	α		δ		log Δ
April 1	13 25.4	7.7	− 2 43	71	0.310
11	13 17.7	7.6	− 1 32	65	0.308
21	13 10.1	6.8	− 0 27	54	0.312
Mai 1	13 3.3		+ 0 27		0.322

(**662**) Newtonia 13.2 1909

1912	α		δ		log Δ
April 5	13 21.0	9.0	− 1 55	65	0.180
15	13 12.0	8.6	− 0 50	55	0.174
25	13 3.4	7.2	+ 0 5	39	0.175
Mai 5	12 56.2		+ 0 44		0.184

(**177**) Irma 13.6 1906

1912	α		δ		log Δ
April 11	13 22.1	8.0	− 9 51	46	0.384
21	13 14.1	7.4	− 9 5	43	0.385
Mai 1	13 6.7	6.0	− 8 22	37	0.392
11	13 0.7		− 7 45		0.404

(**356**) Liguria 11.7 1910

1912	α		δ		log Δ
April 11	13 22.6	8.9	−14 47	35	0.324
21	13 13.7	8.1	−14 12	36	0.329
Mai 1	13 5.6	6.6	−13 36	34	0.340
11	12 59.0		−13 2		0.355

(**687**) Tinette 16.1 1909

1912	α		δ		log Δ
April 11	13 24.7	9.4	−26 54	30	0.396
21	13 15.3	8.8	−26 24	44	0.395
Mai 1	13 6.5	7.3	−25 40	49	0.398
11	12 59.2		−24 51		0.406

(**138**) Tolosa 12.0 1909

1912	α		δ		log Δ
April 11	13ʰ 27.2ᵐ	9.6	− 6° 2′	44	0.185
21	13 17.6	8.8	− 5 18	39	0.183
Mai 1	13 8.8	7.0	− 4 39	25	0.189
11	13 1.8		− 4 14		0.200

(**535**) Montague 11.7 1910

1912	α		δ		log Δ
April 11	13 27.9	8.8	+ 1 43	33	0.184
21	13 19.1	7.9	+ 2 16	17	0.189
Mai 1	13 11.2	6.1	+ 2 33	−1	0.200
11	13 5.1		+ 2 32		0.218

(**625**) [1907 *XN*] 12.7 1907

1912	α		δ		log Δ
April 5	13 32.9	8.3	+ 8 49	64	0.296
15	13 24.6	8.2	+ 9 53	47	0.293
25	13 16.4	7.2	+10 40	25	0.296
Mai 5	13 9.2		+11 5		0.305

(**586**) [1906 *TC*] 13.0 1906

1912	α		δ		log Δ
April 11	13 34.7	7.7	−11 0	48	0.316
21	13 27.0	7.0	−10 12	47	0.318
Mai 1	13 20.0	5.8	− 9 25	40	0.325
11	13 14.2		− 8 45		0.337

(**254**) Augusta 12.9 1902

1912	α		δ		log Δ
April 11	13 37.3	10.7	− 9 21	26	0.010
21	13 26.6	9.9	− 8 55	22	0.005
Mai 1	13 16.7	7.6	− 8 33	13	0.011
11	13 9.1		− 8 20		0.025

(**669**) [1908 *DQ*] 13.4 1908

1912	α		δ		log Δ
April 8	13 39.2	7.1	− 1 9	75	0.275
18	13 32.1	6.8	+ 0 6	66	0.273
28	13 25.3	6.0	+ 1 12	50	0.277
Mai 8	13 19.3		+ 2 2		0.287

(**589**) Croatia 13.0 1911

1912	α		δ		log Δ
April 11	13 44.9	7.0	− 3 35	64	0.360
21	13 37.9	6.6	− 2 31	57	0.361
Mai 1	13 31.3	5.6	− 1 34	45	0.367
11	13 25.7		− 0 49		0.377

(**464**) Megaira 13.2 1901

1912	α		δ		log Δ
April 11	13 45.3	8.0	+ 5 18	42	0.391
21	13 37.3	7.6	+ 6 0	27	0.391
Mai 1	13 29.7	6.6	+ 6 27	13	0.396
11	13 23.1		+ 6 40		0.405

1912	α		δ		log Δ

(514) Armida 12.6 1911

1912	α	Diff.	δ	Diff.	log Δ
April 11	13h 45m.5	7.7	−16° 16′	46	0.340
21	13 37.8	7.3	−15 30	51	0.338
Mai 1	13 30.5	6.4	−14 39	48	0.342
11	13 24.1		−13 51		0.350

(86) Semele 13.4 1909

1912	α	Diff.	δ	Diff.	log Δ
April 11	13 45.9	7.2	− 4 44	37	0.445
21	13 38.7	7.0	− 4 7	33	0.445
Mai 1	13 31.7	6.1	− 3 34	26	0.449
11	13 25.6		− 3 8		0.459

(97) Klotho 11.5 1910

1912	α	Diff.	δ	Diff.	log Δ
April 11	13 49.1	8.0	+ 1 34	60	0.323
21	13 41.1	7.6	+ 2 34	52	0.328
Mai 1	13 33.5	6.4	+ 3 26	36	0.338
11	13 27.1		+ 4 2		0.353

(229) Adelinda 13.8 1908

1912	α	Diff.	δ	Diff.	log Δ
April 11	13 56.4	7.1	−11 47	35	0.424
21	13 49.3	7.0	−11 12	34	0.418
Mai 1	13 42.3	6.4	−10 38	32	0.419
11	13 35.9		−10 6		0.427

(569) Misa 12.9 1910

1912	α	Diff.	δ	Diff.	log Δ
April 11	13 59.0	8.8	−14 15	48	0.279
21	13 50.2	8.6	−13 27	48	0.280
Mai 1	13 41.6	7.3	−12 39	45	0.286
11	13 34.3		−11 54		0.298

(173) Ino 12.0 1911

1912	α	Diff.	δ	Diff.	log Δ
April 11	13 59.3	7.7	+ 5 53	62	0.365
21	13 51.6	7.5	+ 6 55	48	0.365
Mai 1	13 44.1	6.8	+ 7 43	30	0.370
11	13 37.3		+ 8 13		0.380

(539) Pamina 14.0 1909

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 6.7	8.4	−21 55	52	0.351
Mai 1	13 58.3	8.1	−21 3	57	0.349
11	13 50.2	6.7	−20 6	57	0.352
21	13 43.5		−19 9		0.360

(68) Leto 11.0 1911

1912	α	Diff.	δ	Diff.	log Δ
April 15	14 10.2	8.8	−10 11	27	0.321
25	14 1.4	8.8	− 9 44	25	0.317
Mai 5	13 52.6	7.8	− 9 19	19	0.318
15	13 44.8		− 9 0		0.325

(622) [1906 *WP*] 14.0 1911

1912	α	Diff.	δ	Diff.	log Δ
April 20	14h 11m.5	8.9	− 0° 27′	53	0.304
30	14 2.6	8.3	+ 0 26	39	0.305
Mai 10	13 54.3	7.0	+ 1 5	23	0.315
20	13 47.3		+ 1 28		0.329

(344) Desiderata 10.4 1909

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 9.9	12.8	− 1 17	48	0.057
Mai 1	13 57.1	12.3	− 2 5	69	0.047
11	13 44.8	10.2	− 3 14	87	0.047
21	13 34.6		− 4 41		0.056

(481) Emita 12.3 1911

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 14.1	8.7	− 4 40	23	0.330
Mai 1	14 5.4	8.1	− 4 17	14	0.333
11	13 57.3	7.0	− 4 3	4	0.341
21	13 50.3		− 3 59		0.354

(19) Fortuna 10.7 1911

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 14.8	9.2	−13 24	53	0.261
Mai 1	14 5.6	8.5	−12 31	51	0.261
11	13 57.1	7.1	−11 40	43	0.268
21	13 50.0		−10 57		0.280

(517) Edith 14.0 1905

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 26.8	7.5	−18 28	39	0.434
Mai 1	14 19.3	7.2	−17 49	41	0.433
11	14 12.1	6.4	−17 8	40	0.436
21	14 5.7		−16 28		0.444

(384) Burdigala 12.2 1909

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 27.4	9.2	−12 40	29	0.281
Mai 1	14 18.2	8.7	−12 11	27	0.282
11	14 9.5	7.5	−11 44	21	0.289
21	14 2.0		−11 23		0.302

(383) Janina 13.7 1909

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 34.1	7.4	−14 55	42	0.332
Mai 1	14 26.7	7.3	−14 13	39	0.331
11	14 19.4	6.5	−13 34	34	0.334
21	14 12.9		−13 0		0.342

(707) [1910 *LD*] 14.2 1911

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 38.6	10.6	−22 20	53	0.149
Mai 1	14 28.0	10.4	−21 27	63	0.141
11	14 17.6	9.3	−20 24	67	0.142
21	14 8.3		−19 17		0.150

(248) Lameia 12.6 1905

1912	α	Diff.	δ	Diff.	log Δ
April 21	14h 39.3m	9.0	−19° 2′	58	0.126
Mai 1	14 30.3	8.9	−18 4	64	0.120
11	14 21.4	7.5	−17 0	63	0.123
21	14 13.9		−15 57		0.133

(668) [1908 *DO*] 15.0 1908

1912	α	Diff.	δ	Diff.	log Δ
April 22	14 39.7	8.2	−15 2	63	0.261
Mai 2	14 31.5	8.3	−13 59	65	0.253
12	14 23.2	7.5	−12 54	59	0.251
22	14 15.7		−11 55		0.256

(633) [1907 *ZM*] 13.1 1909

1912	α	Diff.	δ	Diff.	log Δ
April 19	14 44.3	7.2	− 0 26	53	0.334
29	14 37.1	7.4	+ 0 27	42	0.330
Mai 9	14 29.7	6.8	+ 1 9	26	0.331
19	14 22.9		+ 1 35		0.338

(634) [1907 *ZN*] 13.6 1907

1912	α	Diff.	δ	Diff.	log Δ
April 29	14 41.4	7.5	+ 2 33	35	0.379
Mai 9	14 33.9	6.9	+ 3 8	21	0.380
19	14 27.0	6.1	+ 3 29	4	0.385
29	14 20.9		+ 3 33		0.395

(39) Laetitia 9.9 1911

1912	α	Diff.	δ	Diff.	log Δ
April 21	14 49.0	7.8	− 2 14	58	0.308
Mai 1	14 41.2	7.9	− 1 16	46	0.304
11	14 33.3	7.8	− 0 30	32	0.307
21	14 25.5		+ 0 2		0.314

(460) Scania 14.3 1909

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	14 43.9	8.5	−13 48	52	0.287
11	14 35.4	7.6	−12 56	49	0.288
21	14 27.8	6.1	−12 7	39	0.294
31	14 21.7		−11 28		0.306

(635) [1907 *ZS*] 13.1 1911

1912	α	Diff.	δ	Diff.	log Δ
April 26	14 52.3	7.1	− 6 44	55	0.381
Mai 6	14 45.2	6.9	− 5 49	47	0.381
16	14 38.3	6.2	− 5 2	36	0.385
26	14 32.1		− 4 26		0.394

(50) Virginia 12.7 1911

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	14 56.3	8.7	−13 30	44	0.341
11	14 47.6	8.6	−12 46	41	0.338
21	14 39.0	7.3	−12 5	34	0.340
31	14 31.7		−11 31		0.348

(696) Leonora 14.4 1909

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	14h 55.3m	8.7	−33° 58′	32	0.474
11	14 46.6	7.8	−33 26	44	0.471
21	14 38.8	6.9	−32 42	52	0.473
31	14 31.9		−31 50		0.479

(246) Asporina 11.2 1908

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	14 56.5	7.8	+ 6 20	66	0.175
11	14 48.7	7.0	+ 7 26	37	0.178
21	14 41.7	5.6	+ 8 3	9	0.187
31	14 36.1		+ 8 12		0.202

(592) [1906 *TS*] 13.4 1911

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	15 1.9	7.4	− 4 59	45	0.377
11	14 54.5	7.1	− 4 14	35	0.379
21	14 47.4	6.1	− 3 39	23	0.385
31	14 41.3		− 3 16		0.396

(595) [1906 *TZ*] 11.8 1909

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	15 2.8	10.4	−28 37	15	0.316
11	14 52.4	9.9	−28 52	2	0.312
21	14 42.5	8.8	−28 54	−6	0.314
31	14 33.7		−28 48		0.323

(234) Barbara 11.9 1911

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	15 8.2	9.4	+ 8 16	62	0.183
11	14 58.8	9.3	+ 9 18	28	0.178
21	14 49.5	7.9	+ 9 46	−1	0.180
31	14 41.6		+ 9 45		0.188

(424) Gratia 13.3 1911

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	15 10.4	8.5	− 7 26	23	0.312
11	15 1.9	8.3	− 7 3	15	0.312
21	14 53.6	7.5	− 6 48	4	0.319
31	14 46.1		− 6 44		0.330

(513) Centesima 12.8 1911

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	15 12.2	7.5	− 8 43	51	0.357
11	15 4.7	7.2	− 7 52	44	0.356
21	14 57.5	6.5	− 7 8	33	0.360
31	14 51.0		− 6 35		0.370

(422) Berolina 13.6 1911

1912	α	Diff.	δ	Diff.	log Δ
Mai 1	15 15.7	11.6	−23 48	20	0.126
11	15 4.1	11.6	−23 28	28	0.114
21	14 52.5	10.3	−23 0	34	0.110
31	14 42.2		−22 26		0.115

(667) [1908 *DN*] 13.9 1908

1912	α		δ		log Δ
April 25	15^h 18^m.4	6.9	+15° 18′	55	0.406
Mai 5	15 11.5	7.1	+16 13	32	0.408
15	15 4.4	6.6	+16 45	9	0.415
25	14 57.8		+16 54		0.425

(363) Padua 11.8 1911

1912	α		δ		log Δ
Mai 1	15 16.4	9.1	−15 15	17	0.272
11	15 7.3	8.9	−14 58	18	0.268
21	14 58.4	8.3	−14 40	14	0.270
31	14 50.1		−14 26		0.280

(272) Antonia 13.6 1890

1912	α		δ		log Δ
Mai 1	15 19.7	9.1	−19 41	17	0.262
11	15 10.6	9.1	−19 24	23	0.259
21	15 1.5	7.8	−19 1	21	0.263
31	14 53.7		−18 40		0.273

(183) Istria 14.3 1911

1912	α		δ		log Δ
Mai 1	15 18.5	7.4	+17 45	37	0.461
11	15 11.1	7.7	+18 22	14	0.463
21	15 3.4	7.1	+18 36	7	0.468
31	14 56.3		+18 29		0.477

(82) Alkmene 11.1 1910

1912	α		δ		log Δ
April 21	15 27.6	8.7	−20 22	19	0.231
Mai 1	15 18.9	9.4	−20 3	26	0.227
11	15 9.5	9.1	−19 37	29	0.229
21	15 0.4		−19 8		0.237

(654) Zelinda 11.1 1910

1912	α		δ		log Δ
Mai 11	15 14.5	11.6	−41 21	116	0.122
21	15 2.9	10.0	−39 25	132	0.128
31	14 52.9	5.7	−37 13	143	0.142
Juni 10	14 47.2		−34 50		0.163

(232) Russia 12.4 1904

1912	α		δ		log Δ
Mai 1	15 20.5	8.4	− 7 10	47	0.061
11	15 12.1	8.1	− 6 23	32	0.062
21	15 4.0	6.6	− 5 51	11	0.072
31	14 57.4		− 5 40		0.088

(181) Eucharis 12.1 1906

1912	α		δ		log Δ
Mai 1	15 21.5	7.4	+ 7 57	36	0.400
11	15 14.1	7.2	+ 8 33	17	0.404
21	15 6.9	6.4	+ 8 50	1	0.411
31	15 0.5		+ 8 49		0.423

(244) Sita 14.3 1900

1912	α		δ		log Δ
Mai 1	15^h 21^m.7	10.4	−16° 52′	54	0.149
11	15 11.3	10.4	−15 58	54	0.142
21	15 0.9	9.1	−15 4	49	0.143
31	14 51.8		−14 15		0.152

(295) Theresia 14.3 1909

1912	α		δ		log Δ
Mai 11	15 19.6	8.5	−21 12	38	0.354
21	15 11.1	7.9	−20 34	38	0.355
31	15 3.2	6.5	−19 56	36	0.362
Juni 10	14 56.7		−19 20		0.374

(525) Adelaide 15.4 1904

1912	α		δ		log Δ
Mai 11	15 25.5	6.8	−14 35	24	0.552
21	15 18.7	6.4	−14 11	22	0.552
31	15 12.3	5.3	−13 49	19	0.556
Juni 10	15 7.0		−13 30		0.565

(345) Tercidina 11.6 1909

1912	α		δ		log Δ
Mai 11	15 40.9	9.6	−13 23	75	0.160
21	15 31.3	8.8	−12 8	64	0.161
31	15 22.5	7.2	−11 4	50	0.170
Juni 10	15 15.3		−10 14		0.185

(314) Rosalia 14.4 1908

1912	α		δ		log Δ
Mai 11	15 45.7	7.4	− 3 38	41	0.379
21	15 38.3	7.2	− 2 57	29	0.376
31	15 31.1	6.4	− 2 28	13	0.379
Juni 10	15 24.7		− 2 15		0.386

(74) Galatea 12.4 1911

1912	α		δ		log Δ
Mai 11	15 46.5	8.7	−16 12	38	0.327
21	15 37.8	8.4	−15 34	36	0.322
31	15 29.4	7.6	−14 58	31	0.326
Juni 10	15 21.8		−14 27		0.330

(316) Goberta 13.9 1911

1912	α		δ		log Δ
Mai 11	15 48.2	7.7	−16 56	24	0.410
21	15 40.5	7.4	−16 32	22	0.409
31	15 33.1	6.6	−16 10	18	0.416
Juni 10	15 26.5		−15 52		0.423

(390) Alma 13.3 1911

1912	α		δ		log Δ
Mai 11	15 52.8	10.8	−38 12	41	0.239
21	15 42.0	10.1	−37 31	58	0.237
31	15 31.9	8.6	−36 33	71	0.242
Juni 10	15 23.3		−35 22		0.254

(307) Nike 13.8 1911

1912	α		δ		log Δ
Mai 11	15h 54.8m	8.6	−13° 58′	16	0.367
21	15 46.2	8.1	−13 42	14	0.365
31	15 38.1	7.4	−13 28	8	0.369
Juni 10	15 30.7		−13 20		0.378

(691) Lehigh 13.3 1909

1912	α		δ		log Δ
Mai 19	15 55.2	8.4	−10 38	3	0.364
29	15 46.8	7.8	−10 41	8	0.365
Juni 8	15 39.0	6.7	−10 49	17	0.371
18	15 32.3		−11 6		0.381

(685) [1909 *HE*] 12.8 1909

1912	α		δ		log Δ
Mai 12	16 6.0	10.0	−20 29	51	0.023
22	15 56.0	10.1	−19 38	58	0.008
Juni 1	15 45.9	9.1	−18 40	56	0.003
11	15 36.8		−17 44		0.008

(590) [1906 *TO*] 13.5 1911

1912	α		δ		log Δ
Mai 21	16 3.4	8.2	− 8 39	$\underline{1}$	0.343
31	15 55.2	7.5	− 8 38	9	0.345
Juni 10	15 47.7	6.4	− 8 47	17	0.353
20	15 41.3		− 9 4		0.366

(628) [1907 *XT*] 12.2 1909

1912	α		δ		log Δ
Mai 14	16 9.4	9.2	− 5 26	$\underline{3}$	0.198
24	16 0.2	9.4	− 5 23	11	0.195
Juni 3	15 50.8	8.0	− 5 34	28	0.199
13	15 42.8		− 6 2		0.210

(551) Ortrud 13.4 1911

1912	α		δ		log Δ
Mai 21	16 8.5	8.4	−21 30	22	0.365
31	16 0.1	7.5	−21 8	21	0.366
Juni 10	15 52.6	6.2	−20 47	21	0.372
20	15 46.4		−20 26		0.382

(630) [1907 *XW*] 13.5 1907

1912	α		δ		log Δ
Mai 14	16 23.9	9.3	− 5 39	9	0.216
24	16 14.6	9.4	− 5 48	22	0.215
Juni 3	16 5.2	8.5	− 6 10	36	0.221
13	15 56.7		− 6 46		0.234

(547) Praxedis 13.5 1908

1912	α		δ		log Δ
Mai 21	16 22.3	8.1	− 2 24	48	0.352
31	16 14.2	7.9	− 1 36	33	0.350
Juni 10	16 6.3	7.1	− 1 3	17	0.353
20	15 59.2		− 0 46		0.361

(55) Pandora 11.1 1911

1912	α		δ		log Δ
Mai 21	16h 25.2m	10.1	−30° 53′	13	0.289
31	16 15.1	9.8	−30 40	16	0.286
Juni 10	16 5.3	8.7	−30 24	25	0.289
20	15 56.6		−29 59		0.295

(279) Thule 13.6 1906

1912	α		δ		log Δ
Mai 21	16 25.1	6.6	−21 8	12	0.488
31	16 18.5	6.4	−20 56	11	0.486
Juni 10	16 12.1	5.7	−20 45	11	0.489
20	16 6.4		−20 34		0.495

(490) Veritas 12.5 1911

1912	α		δ		log Δ
Mai 21	16 26.5	7.6	− 9 31	29	0.364
31	16 18.9	7.3	− 9 2	20	0.363
Juni 10	16 11.6	6.4	− 8 42	11	0.366
20	16 5.2		− 8 31		0.374

(555) Norma 14.3 1909

1912	α		δ		log Δ
Mai 21	16 27.7	8.1	−18 18	16	0.380
31	16 19.6	7.7	−18 2	15	0.380
Juni 10	16 11.9	6.7	−17 47	11	0.388
20	16 5.2		−17 36		0.398

(492) Gismonda 12.8 1903

1912	α		δ		log Δ
Mai 21	16 30.7	8.6	−22 42	14	0.296
31	16 22.1	8.5	−22 28	17	0.290
Juni 10	16 13.6	7.5	−22 11	15	0.291
20	16 6.1		−21 56		0.296

(689) [1909 *HJ*] 14.3 1909

1912	α		δ		log Δ
Mai 29	16 27.6	10.5	−11 47	30	0.127
Juni 8	16 17.1	9.5	−11 17	16	0.123
18	16 7.6	7.6	−11 1	2	0.127
28	16 0.0		−10 59		0.138

(109) Felicitas 13.4 1911

1912	α		δ		log Δ
Mai 21	16 44.0	10.0	−32 36	6	0.393
31	16 34.0	9.8	−32 30	16	0.389
Juni 10	16 24.2	9.4	−32 14	24	0.391
20	16 14.8		−31 50		0.394

(695) [1909 *JB*] 9.0 1909

1912	α		δ		log Δ
Mai 31	16 39.2	10.7	+17 12	80	0.143
Juni 10	16 28.5	9.4	+15 52	123	0.141
20	16 19.1	7.3	+13 49	157	0.148
30	16 11.8		+11 12		0.160

(399) Persephone 12.9 1909

1912	α		δ		log Δ
Mai 31	$16^h\,40^m.9$	10.4	−42° 4'	18	0.306
Juni 10	16 30.5	9.3	−41 46	36	0.308
20	16 21.2	7.2	−41 10	48	0.315
30	16 14.0		−40 22		0.328

(21) Lutetia 9.7 1909

1912	α		δ		log Δ
Mai 24	16 47.0	10.2	−21 16	4	0.114
Juni 3	16 36.8	10.2	−21 12	4	0.105
13	16 26.6	8.9	−21 8	2	0.104
23	16 17.7		−21 6		0.112

(489) Comacina 12.5 1911

1912	α		δ		log Δ
Mai 31	16 40.6	7.4	− 2 52	13	0.333
Juni 10	16 33.2	6.8	− 2 39	−2	0.336
20	16 26.4	5.4	− 2 41	16	0.345
30	16 21.0		− 2 57		0.358

(125) Liberatrix 10.8 1907

1912	α		δ		log Δ
Mai 31	16 41.5	8.6	−14 34	19	0.185
Juni 10	16 32.9	7.8	−14 15	10	0.188
20	16 25.1	6.0	−14 5	−1	0.197
30	16 19.1		−14 6		0.212

(93) Minerva 10.0 1911

1912	α		δ		log Δ
Mai 31	16 43.3	10.5	−36 6	2	0.144
Juni 10	16 32.8	9.4	−36 4	21	0.143
20	16 23.4	7.1	−35 43	30	0.150
30	16 16.3		−35 13		0.162

(491) Carina 12.9 1911

1912	α		δ		log Δ
Mai 31	16 47.8	7.3	+ 3 34	19	0.386
Juni 10	16 40.5	6.7	+ 3 53	1	0.388
20	16 33.8	5.7	+ 3 54	−16	0.394
30	16 28.1		+ 3 38		0.404

(152) Atala 12.6 1911

1912	α		δ		log Δ
Mai 31	16 49.1	9.3	−31 51	8	0.374
Juni 10	16 39.8	8.8	−31 59	0	0.374
20	16 31.0	7.4	−31 59	−9	0.379
30	16 23.6		−31 50		0.390

(631) [1907 *YJ*] 12.4 1909

1912	α		δ		log Δ
Juni 3	16 52.7	8.6	− 8 29	61	0.271
13	16 44.1	7.6	− 7 28	46	0.276
23	16 36.5	5.9	− 6 42	30	0.288
Juli 3	16 30.6		− 6 12		0.303

(671) Carnegia 13.5 1908

1912	α		δ		log Δ
Mai 30	$16^h\,53^m.1$	9.1	−33° 18'	8	0.378
Juni 9	16 44.0	8.6	−33 10	18	0.378
19	16 35.4	7.5	−32 52	24	0.383
29	16 27.9		−32 28		0.392

(153) Hilda 11.8 1910

1912	α		δ		log Δ
Mai 31	16 55.1	6.3	−17 50	28	0.375
Juni 10	16 48.8	6.6	−17 22	27	0.374
20	16 42.2	5.5	−16 55	21	0.378
30	16 36.7		−16 34		0.387

(359) Georgia 12.1 1911

1912	α		δ		log Δ
Mai 31	16 56.2	10.5	−32 50	4	0.219
Juni 10	16 45.7	10.1	−32 46	14	0.214
20	16 35.6	8.3	−32 32	26	0.216
30	16 27.3		−32 6		0.224

(670) [1908 *DR*] 13.6 1911

1912	α		δ		log Δ
Mai 28	17 0.7	8.8	−11 31	24	0.287
Juni 7	16 51.9	8.5	−11 7	15	0.281
17	16 43.4	7.6	−10 52	4	0.282
27	16 35.8		−10 48		0.288

(713) [1911 *LS*] 12.8 1911

1912	α		δ		log Δ
Mai 31	17 0.0	7.4	−14 46	33	0.373
Juni 10	16 52.6	7.4	−14 13	28	0.370
20	16 45.2	6.2	−13 45	21	0.373
30	16 39.0		−13 24		0.380

(313) Chaldaea 10.7 1909

1912	α		δ		log Δ
Mai 31	17 4.5	9.7	− 4 12	20	0.196
Juni 10	16 54.8	9.1	− 3 52	2	0.200
20	16 45.7	7.4	− 3 50	−17	0.212
30	16 38.3		− 4 7		0.229

(418) Alemannia 12.8 1909

1912	α		δ		log Δ
Mai 31	17 7.9	9.5	−21 48	39	0.229
Juni 10	16 58.4	9.5	−21 9	38	0.224
20	16 48.9	8.1	−20 31	35	0.226
30	16 40.8		−19 56		0.236

(446) Aeternitas 11.0 1911

1912	α		δ		log Δ
Mai 31	17 7.3	10.6	−32 22	27	0.206
Juni 10	16 56.7	10.4	−32 49	15	0.202
20	16 46.3	8.9	−33 4	2	0.204
30	16 37.4		−33 6		0.213

(219) Thusnelda 10.9 1911

1912	α		δ		log Δ
Mai 31	17h 9.1m	9.7	−7° 9'	63	0.086
Juni 10	16 59.4	9.7	−6 6	43	0.077
20	16 49.7	8.1	−5 23	20	0.076
30	16 41.6		−5 3		0.083

(402) Chloë 10.9 1911

1912	α		δ		log Δ
Mai 31	17 10.8	9.4	−7 11	12	0.216
Juni 10	17 1.4	9.1	−7 23	27	0.218
20	16 52.3	7.7	−7 50	39	0.227
30	16 44.6		−8 29		0.240

(290) Bruna 14.3 1890

1912	α		δ		log Δ
Mai 31	17 14.2	17.0	−54 38	17	0.270
Juni 10	16 57.2	16.3	−54 55	19	0.271
20	16 40.9	13.5	−54 36	47	0.278
30	16 27.4		−53 49		0.290

(283) Emma 11.7 1908

1912	α		δ		log Δ
Mai 31	17 11.7	9.4	−32 8	22	0.312
Juni 10	17 2.3	9.2	−31 46	33	0.307
20	16 53.1	8.1	−31 13	36	0.307
30	16 45.0		−30 37		0.313

(329) Svea 12.1 1908

1912	α		δ		log Δ
Mai 31	17 16.1	8.8	+3 9	33	0.168
Juni 10	17 7.3	8.6	+3 42	3	0.168
20	16 58.7	7.4	+3 45	23	0.174
30	16 51.3		+3 22		0.186

(623) [1907 *XJ*] 13.4 1911

1912	α		δ		log Δ
Juni 8	17 13.4	11.9	−40 5	47	0.245
18	17 1.5	10.7	−39 18	64	0.245
28	16 50.8	8.2	−38 14	76	0.252
Juli 8	16 42.6		−36 58		0.265

(3) Juno 9.8 1911

1912	α		δ		log Δ
Mai 31	17 18.5	8.4	−4 31	18	0.364
Juni 10	17 10.1	8.5	−4 13	5	0.361
20	17 1.6	7.7	−4 8	8	0.363
30	16 53.9		−4 16		0.370

(350) Ornamenta 13.4 1910

1912	α		δ		log Δ
Juni 10	17 19.1	8.8	−16 17	38	0.408
20	17 10.3	8.2	−16 55	41	0.410
30	17 2.1	7.1	−17 36	43	0.416
Juli 10	16 55.0		−18 19		0.426

(708) [1911 *LJ*] 13.0 1911

1912	α		δ		log Δ
Juni 10	17h 19.5m	10.0	−28° 55'	13	0.193
20	17 9.5	8.7	−28 42	19	0.198
30	17 0.8	6.5	−28 23	20	0.210
Juli 10	16 54.3		−28 3		0.227

(70) Panopaea 10.0 1909

1912	α		δ		log Δ
Juni 10	17 27.6	11.3	−34 54	50	0.086
20	17 16.3	10.4	−35 44	29	0.083
30	17 5.9	7.9	−36 13	13	0.089
Juli 10	16 58.0		−36 26		0.102

(431) Nephele 12.0 1911

1912	α		δ		log Δ
Juni 10	17 30.8	8.6	−21 39	1	0.253
20	17 22.2	8.2	−21 38	1	0.252
30	17 14.0	6.7	−21 37	0	0.253
Juli 10	17 7.3		−21 37		0.262

(92) Undina 10.6 1911

1912	α		δ		log Δ
Juni 10	17 39.0	8.4	−18 16	22	0.304
20	17 30.6	8.1	−18 38	25	0.302
30	17 22.5	6.9	−19 3	28	0.306
Juli 10	17 15.6		−19 31		0.316

(208) Lacrimosa 12.1 1911

1912	α		δ		log Δ
Juni 10	17 51.6	9.2	−26 7	1	0.284
20	17 42.4	9.0	−26 6	6	0.283
30	17 33.4	7.6	−26 0	8	0.288
Juli 10	17 25.8		−25 52		0.298

(106) Dione 11.7 1911

1912	α		δ		log Δ
Juni 10	17 53.1	8.5	−25 58	8	0.377
20	17 44.6	8.5	−26 6	4	0.373
30	17 36.1	7.6	−26 10	2	0.374
Juli 10	17 28.5		−26 12		0.380

(710) [1911 *LM*] 13.4 1911

1912	α		δ		log Δ
Juni 10	17 57.4	8.6	−21 12	2	0.243
20	17 48.8	8.2	−21 14	2	0.243
30	17 40.6	7.6	−21 16	3	0.248
Juli 10	17 33.0		−21 19		0.260

(171) Ophelia 12.5 1911

1912	α		δ		log Δ
Juni 20	18 6.7	8.4	−22 47	7	0.356
30	17 58.3	7.7	−22 54	5	0.360
Juli 10	17 50.6	6.3	−22 59	5	0.369
20	17 44.3		−23 4		0.399

(339) Dorothea 12.4 1907

1912	α		δ		log Δ
Juni 20	18ʰ 11.9ᵐ	8.0	− 8° 12′	7	0.265
30	18 3.9	7.6	− 8 19	19	0.264
Juli 10	17 56.3	6.2	− 8 38	30	0.269
20	17 50.1		− 9 8		0.279

(561) Ingwelde 14.6 1905

1912	α		δ		log Δ
Juni 20	18 11.1	8.0	−21 28	3	0.422
30	18 3.1	7.6	−21 31	3	0.423
Juli 10	17 55.5	6.4	−21 34	2	0.429
20	17 49.1		−21 36		0.439

(168) Sibylla 11.7 1911

1912	α		δ		log Δ
Juni 20	18 20.8	7.7	−17 31	2	0.388
30	18 13.1	7.4	−17 29	0	0.386
Juli 10	18 5.7	6.3	−17 29	−6	0.391
20	17 59.4		−17 35		0.398

(79) Eurynome 11.1 1909

1912	α		δ		log Δ
Juni 20	18 21.7	10.2	−16 38	4	0.229
30	18 11.5	9.7	−16 34	−1	0.225
Juli 10	18 1.8	8.2	−16 35	6	0.228
20	17 53.6		−16 41		0.237

(415) Palatia 12.6 1910

1912	α		δ		log Δ
Juni 20	18 21.8	8.9	−16 46	17	0.383
30	18 12.9	8.5	−17 3	19	0.379
Juli 10	18 4.4	7.8	−17 22	21	0.382
20	17 56.6		−17 43		0.388

(84) Klio 10.4 1909

1912	α		δ		log Δ
Juni 18	18 22.5	12.2	−38 37	21	0.028
28	18 10.3	11.9	−38 16	47	0.016
Juli 8	17 58.4	9.8	−37 29	70	0.013
18	17 48.6		−36 19		0.019

(87) Sylvia 11.6 1907

1912	α		δ		log Δ
Juni 20	18 4.3	8.3	−27 35	24	0.368
30	17 56.0	7.7	−27 59	20	0.368
Juli 10	17 48.3	6.5	−28 19	15	0.373
20	17 41.8		−28 34		0.383

(85) Io 10.0 1907

1912	α		δ		log Δ
Juni 20	18 30.9	8.5	− 3 18	25	0.112
30	18 22.4	8.3	− 2 53	6	0.108
Juli 10	18 14.1	7.0	− 2 47	−20	0.106
20	18 7.1		− 3 7		0.114

(520) Franziska 14.3 1906

1912	α		δ		log Δ
Juni 20	18ʰ 34.2ᵐ	9.8	−37° 4′	21	0.348
30	18 24.4	9.8	−37 25	9	0.346
Juli 10	18 14.6	8.6	−37 34	−4	0.349
20	18 6.0		−37 30		0.357

(598) [1906 UC] 11.9 1911

1912	α		δ		log Δ
Juni 20	18 35.1	10.0	−23 59	50	0.242
30	18 25.1	10.0	−24 49	46	0.234
Juli 10	18 15.1	9.0	−25 35	43	0.233
20	18 6.1		−26 18		0.239

(38) Leda 12.2 1906

1912	α		δ		log Δ
Juni 20	18 39.9	9.6	−26 48	9	0.334
30	18 30.3	9.4	−26 39	12	0.332
Juli 10	18 20.9	8.4	−26 27	16	0.336
20	18 12.5		−26 11		0.345

(96) Aegle 11.6 1911

1912	α		δ		log Δ
Juni 20	18 41.0	10.7	−40 39	18	0.338
30	18 30.3	10.2	−40 21	35	0.338
Juli 10	18 20.1	8.9	−39 46	48	0.345
20	18 11.2		−38 58		0.355

(271) Penthesilea 12.9 1903

1912	α		δ		log Δ
Juni 20	18 42.5	8.9	−27 46	4	0.319
30	18 33.6	9.0	−27 50	−1	0.315
Juli 10	18 24.6	8.1	−27 49	7	0.316
20	18 16.5		−27 42		0.324

(258) Tyche 10.7 1908

1912	α		δ		log Δ
Juni 20	18 44.0	8.8	− 0 48	33	0.174
30	18 35.2	9.1	− 0 15	15	0.164
Juli 10	18 26.1	8.0	− 0 0	−18	0.160
20	18 18.1		− 0 18		0.164

(29) Amphitrite 9.4 1911

1912	α		δ		log Δ
Juni 20	18 48.3	10.6	−32 34	10	0.231
30	18 37.7	10.7	−32 44	−1	0.227
Juli 10	18 27.0	9.6	−32 43	14	0.229
20	18 17.4		−32 29		0.238

(297) Caecilia 12.6 1911

1912	α		δ		log Δ
Juni 30	18 43.3	9.2	−32 46	11	0.257
Juli 10	18 34.1	8.3	−32 35	21	0.258
20	18 25.8	6.5	−32 14	31	0.264
30	18 19.3		−31 43		0.276

1912	α		δ		log Δ	1912	α		δ		log Δ
(477) Italia			11.3		1911	**(299)** Thora			14.5		1903
Juni 30	18h 44m.4	10.9	−33° 25′	8	0.032	Juni 30	19h 4m.6	10.1	−20° 52′	8	0.163
Juli 10	18 33.5	9.8	−33 33	10	0.029	Juli 10	18 54.5	9.7	−21 0	8	0.161
20	18 23.7	6.7	−33 23	25	0.036	20	18 44.8	8.1	−21 8	7	0.167
30	18 17.0		−32 58		0.050	30	18 36.7		−21 15		0.179
(269) Justitia			11.3		1907	**(252)** Clementina			12.8		1902
Juni 30	18 48.1	8.2	−13 58	35	0.022	Juni 30	19 5.5	7.6	− 7 48	5	0.316
Juli 10	18 39.9	7.0	−14 33	45	0.025	Juli 10	18 57.9	7.5	− 7 53	16	0.313
20	18 32.9	4.7	−15 18	48	0.037	20	18 50.4	6.4	− 8 9	25	0.316
30	18 28.2		−16 6		0.057	30	18 44.0		− 8 34		0.325
(158) Koronis			12.5		1911	**(485)** Genua			12.4		1911
Juni 30	18 53.9	9.0	−22 53	7	0.295	Juni 30	19 13.3	8.2	− 2 28	10	0.365
Juli 10	18 44.9	8.5	−23 0	6	0.295	Juli 10	19 5.1	8.0	− 2 38	24	0.363
20	18 36.4	7.0	−23 6	2	0.302	20	18 57.1	7.2	− 3 2	36	0.366
30	18 29.4		−23 8		0.313	30	18 49.9		− 3 38		0.373
(294) Felicia			12.9		1910	**(675)** [1908 *DU*]			11.7		1911
Juni 30	18 55.9	7.9	−16 34	37	0.158	Juli 2	19 15.7	9.4	−16 49	11	0.304
Juli 10	18 48.0	7.4	−17 11	40	0.154	12	19 6.3	9.1	−16 38	7	0.299
20	18 40.6	5.9	−17 51	41	0.158	22	18 57.2	8.1	−16 31	4	0.301
30	18 34.7		−18 32		0.168	Aug. 1	18 49.1		−16 27		0.308
(459) Signe			14.2		1900	**(640)** [1907 *ZW*]			12.6		1907
Juni 30	18 58.5	11.2	−37 56	22	0.275	Juni 27	19 18.0	7.9	− 6 47	20	0.293
Juli 10	18 47.3	11.0	−38 18	5	0.274	Juli 7	19 10.1	7.9	− 6 27	8	0,289
20	18 36.3	9.2	−38 23	11	0.276	17	19 2.2	7.1	− 6 19	4	0.292
30	18 27.1		−38 12		0.285	27	18 55.1		− 6 23		0.301
(30) Urania			10.2		1911	**(643)** [1907 *ZZ*]			14.2		1908
Juni 30	18 59.7	10.7	−24 12	16	0.152	Juli 7	19 17.1	7.5	−11 40	9	0.414
Juli 10	18 49.0	10.3	−24 27	1	0.149	17	19 9.6	7.3	−11 31	1	0.415
20	18 38.7	8.4	−24 28	4	0.154	27	19 2.3	6.1	−11 30	3	0.420
30	18 30.3		−24 24		0.165	Aug. 6	18 56.2		−11 33		0.430
(300) Geraldina			12.3		1911	**(128)** Nemesis			10.5		1911
Juni 30	18 59.7	8.2	−23 45	12	0.321	Juli 10	19 22.6	9.6	−27 24	35	0.227
Juli 10	18 51.5	8.0	−23 57	9	0.320	20	19 13.0	8.8	−27 59	27	0.227
20	18 43.5	6.6	−24 6	6	0.326	30	19 4.2	6.8	−28 26	16	0.232
30	18 36.9		−24 12		0.337	Aug. 9	18 57.4		−28 42		0.246
(250) Bettina			12.1		1911	**(639)** [1907 *ZT*]			11.7		1910
Juni 30	19 1.7	9.8	−40 20	14	0.406	Juli 4	19 30.4	8.9	−20 15	12	0.252
Juli 10	18 51.9	9.2	−40 34	1	0.407	14	19 21.5	8.9	−20 3	5	0.248
20	18 42.7	8.0	−40 35	13	0.412	24	19 12.6	7.5	−19 58	23	0.249
30	18 34.7		−40 22		0.422	Aug. 3	19 5.1		−19 35		0.262

1912	α (h m)		δ (° ′)		log Δ
(127) Johanna	10.9		1909		
Juli 10	19 32.3	10.2	−34 14	19	0.286
20	19 22.1	9.2	−34 33	6	0.289
30	19 12.9	7.6	−34 39	−9	0.297
Aug. 9	19 5.3		−34 30		0.311
(414) Liriope	13.5		1910		
Juli 10	19 35.5	7.4	−21 4	35	0.421
20	19 28.1	7.0	−21 39	34	0.421
30	19 21.1	6.1	−22 13	30	0.426
Aug. 9	19 15.0		−22 43		0.434
(673) [1908 *EA*]	13.0		1911		
Juli 5	19 38.6	8.8	−17 36	15	0.265
15	19 29.8	8.6	−17 51	17	0.263
25	19 21.2	7.5	−18 8	15	0.267
Aug. 4	19 13.7		−18 23		0.277
(596) [1906 *UA*]	11.2		1911		
Juli 10	19 38.1	9.8	−36 51	60	0.196
20	19 28.3	8.9	−37 51	37	0.202
30	19 19.4	7.0	−38 28	17	0.216
Aug. 9	19 12.4		−38 45		0.234
(88) Thisbe	9.8		1911		
Juli 10	19 40.8	9.3	−19 12	6	0.119
20	19 31.5	8.3	−19 6	6	0.118
30	19 23.2	6.6	−19 0	8	0.125
Aug. 9	19 16.6		−18 52		0.139
(113) Amalthea	10.9		1911		
Juni 30	19 49.3	9.5	−18 49	45	0.134
Juli 10	19 39.8	10.0	−19 35	49	0.130
20	19 29.8	9.2	−20 24	44	0.134
30	19 20.6		−21 8		0.146
(389) Industria	11.2		1909		
Juli 10	19 49.3	9.9	−18 43	6	0.215
20	19 39.4	9.4	−18 37	5	0.216
30	19 30.0	7.9	−18 32	6	0.224
Aug. 9	19 22.1		−18 26		0.238
(243) Ida	13.5		1906		
Juli 10	19 49.3	8.9	−22 4	19	0.290
20	19 40.4	8.6	−22 23	16	0.289
30	19 31.8	7.3	−22 39	11	0.294
Aug. 9	19 24.5		−22 50		0.304

1912	α (h m)		δ (° ′)		log Δ
(571) [1905 *QZ*]	13.5		1905		
Juli 10	19 49.8	11.5	−29 55	23	0.109
20	19 38.3	11.5	−30 18	6	0.100
30	19 26.8	9.6	−30 24	−9	0.100
Aug. 9	19 17.2		−30 15		0.107
(666) [1908 *DM*]	13.2		1911		
Juli 16	19 49.7	10.4	− 8 11	17	0.160
26	19 39.3	8.8	− 8 28	29	0.154
Aug. 5	19 30.5	7.1	− 8 57	38	0.155
15	19 23.4		− 9 35		0.163
(427) Galene	12.1		1908		
Juli 10	19 56.5	9.0	−21 33	2	0.207
20	19 47.5	8.0	−21 35	−2	0.204
30	19 39.5	7.8	−21 33	−3	0.210
Aug. 9	19 31.7		−21 30		0.221
(122) Gerda	11.5		1911		
Juni 30	20 0.9	7.3	−18 23	21	0.357
Juli 10	19 53.6	7.9	−18 44	23	0.351
20	19 45.7	7.6	−19 7	22	0.351
30	19 38.1		−19 29		0.356
(280) Philia	14.9		1890		
Juli 10	19 59.3	9.2	−31 25	22	0.350
20	19 50.1	9.2	−31 47	9	0.349
30	19 40.9	8.2	−31 56	−2	0.353
Aug. 9	19 32.7		−31 54		0.362
(382) Dodona	11.7		1909		
Juli 10	19 59.5	9.0	−25 1	1	0.266
20	19 50.5	8.8	−25 2	−6	0.269
30	19 41.7	7.4	−24 56	−11	0.277
Aug. 9	19 34.3		−24 45		0.292
(275) Sapientia	12.4		1909		
Juli 10	20 5.1	8.7	−17 57	38	0.302
20	19 56.4	8.7	−18 35	37	0.302
30	19 47.7	7.6	−19 12	34	0.308
Aug. 9	19 40.1		−19 46		0.320
(107) Camilla	11.5		1911		
Juli 20	19 59.8	6.7	− 9 2	33	0.435
30	19 53.1	6.3	− 9 35	37	0.437
Aug. 9	19 46.8	5.2	−10 12	40	0.442
19	19 41.6		−10 52		0.452

1912		α		δ		log Δ
(566) Stereoskopia 11.3 1910						
Juli	20	20ʰ 5.0ᵐ	7.9	−24° 49′	31	0.347
	30	19 57.1	7.3	−25 20	25	0.347
Aug.	9	19 49.8	6.0	−25 45	17	0.352
	19	19 43.8		−26 2		0.363
(104) Klymene 12.5 1908						
Juli	20	20 6.9	8.3	−24 20	24	0.372
	30	19 58.6	7.7	−24 44	19	0.373
Aug.	9	19 50.9	6.5	−25 3	10	0.378
	19	19 44.4		−25 13		0.388
(189) Phthia 11.5 1908						
Juli	20	20 7.7	9.3	−11 14	34	0.149
	30	19 58.4	8.5	−11 48	39	0.150
Aug.	9	19 49.9	6.5	−12 27	41	0.158
	19	19 43.4		−13 8		0.173
(593) [1906 *TT*] 13.4 1911						
Juli	20	20 19.8	10.1	−36 48	52	0.353
	30	20 9.7	9.8	−37 40	35	0.355
Aug.	9	19 59.9	8.2	−38 15	16	0.362
	19	19 51.7		−38 31		0.373
(433) Eros 11.3 1910						
Juli	20	20 35.0	19.3	−19 44	33	9.888
	30	20 15.7	18.0	−19 11	38	9.886
Aug.	9	19 57.7	14.2	−18 33	45	9.898
	19	19 43.5		−17 48		9.921
(191) Kolga 11.9 1911						
Juli	20	20 21.1	7.8	− 8 21	56	0.264
	30	20 13.3	7.5	− 9 17	65	0.262
Aug.	9	20 5.8	6.4	−10 22	67	0.264
	19	19 59.4		−11 29		0.274
(638) [1907 *ZQ*] 13.0 1911						
Juli	12	20 34.2	8.8	−22 17	65	0.184
	22	20 25.4	8.9	−23 22	58	0.183
Aug.	1	20 16.5	8.1	−24 20	49	0.190
	11	20 8.4		−25 9		0.204
(41) Daphne 9.5 1907						
Juli	20	20 28.6	8.1	+ 3 2	72	0.186
	30	20 20.5	7.7	+ 1 50	90	0.189
Aug.	9	20 12.8	6.1	+ 0 20	101	0.200
	19	20 6.7		− 1 21		0.217

1912		α		δ		log Δ
(361) Bononia 14.1 1909						
Juli	20	20ʰ 33.1ᵐ	7.3	−35° 9′	20	0.561
	30	20 25.8	7.0	−35 29	10	0.560
Aug.	9	20 18.8	6.7	−35 39	−2	0.563
	19	20 12.1		−35 37		0.570
(242) Kriemhild 13.3 1911						
Juli	20	20 33.3	7.8	− 2 8	27	0.351
	30	20 25.5	7.7	− 2 35	40	0.348
Aug.	9	20 17.8	6.8	− 3 15	47	0.349
	19	20 11.0		− 4 2		0.357
(103) Hera 9.7 1908						
Juli	20	20 35.8	8.3	−16 31	54	0.174
	30	20 27.5	8.4	−17 25	55	0.172
Aug.	9	20 19.1	7.0	−18 20	49	0.176
	19	20 12.1		−19 9		0.188
(528) Rezia 12.4 1910						
Juli	20	20 43.0	8.5	−35 48	37	0.382
	30	20 34.5	8.3	−36 24	24	0.382
Aug.	9	20 26.2	7.5	−36 48	7	0.387
	19	20 18.7		−36 55		0.396
(582) [1906 *SO*] 13.7 1909						
Juli	20	20 43.9	8.4	+ 3 35	81	0.342
	30	20 35.7	8.2	+ 2 14	100	0.335
Aug.	9	20 27.3	6.9	+ 0 34	110	0.333
	19	20 20.4		− 1 16		0.338
(588) Achilles 14.9 1907						
Juli	30	20 38.8	5.2	−20 27	8	0.674
Aug.	9	20 33.6	5.0	−20 35	8	0.675
	19	20 28.6	4.3	−20 43	5	0.678
	29	20 24.3		−20 48		0.684
(357) Ninina 12.0 1910						
Juli	20	20 44.1	6.2	−12 55	66	0.317
	30	20 37.9	7.4	−14 1	72	0.314
Aug.	9	20 30.5	6.7	−15 13	71	0.315
	19	20 23.8		−16 24		0.322
(302) Clarissa 14.0 1907						
Juli	30	20 47.5	10.4	−23 8	29	0.168
Aug.	9	20 37.1	9.4	−23 37	17	0.169
	19	20 27.7	7.4	−23 54	5	0.177
	29	20 20.3		−23 59		0.191

(237) Coelestina 12.5 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 20	20h 50.0m	8.9	−28° 11′	66	0.200
30	20 41.1	8.9	−29 17	53	0.199
Aug. 9	20 32.2	7.7	−30 10	36	0.205
19	20 24.5		−30 46		0.218

(393) Lampetia 8.8 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	20 48.3	5.7	+14 6	45	9.972
Aug. 9	20 42.6	4.7	+13 21	87	9.971
19	20 37.9	2.5	+11 54	117	9.979
29	20 35.4		+ 9 57		9.995

(159) Aemilia 12.7 1910

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	20 50.1	7.6	−16 38	55	0.375
Aug. 9	20 42.5	7.1	−17 33	41	0.376
19	20 35.4	5.9	−18 14	36	0.382
29	20 29.5		−18 50		0.393

(645) [1907 *AC*] 14.1 1910

1912	α	Diff.	δ	Diff.	log Δ
Juli 24	20 52.5	8.3	−25 55	23	0.409
Aug. 3	20 44.2	8.1	−26 18	16	0.407
13	20 36.1	7.4	−26 34	6	0.410
23	20 28.7		−26 40		0.418

(624) Hektor 13.3 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	20 52.9	6.0	−31 7	4	0.646
Aug. 9	20 46.9	5.8	−31 11	4	0.648
19	20 41.1	5.5	−31 7	12	0.652
29	20 35.6		−30 55		0.659

(404) Arsinoë 12.5 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	20 52.1	9.8	−31 23	71	0.189
Aug. 9	20 42.3	8.7	−32 34	46	0.200
19	20 33.6	6.6	−33 20	25	0.217
29	20 27.0		−33 45		0.240

(674) Rachel 11.6 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	20 52.5	9.4	−36 7	36	0.382
Aug. 9	20 43.1	8.7	−36 43	19	0.384
19	20 34.4	7.4	−37 2	2	0.391
29	20 27.0		−37 4		0.401

(421) Zähringia 13.3 1908

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	20 58.0	8.5	− 4 48	54	0.092
Aug. 9	20 49.5	7.8	− 5 42	68	0.078
19	20 41.7	7.3	− 6 50	77	0.073
29	20 34.4		− 8 7		0.077

(714) [1911 *LW*] 12.0 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	21h 6.9m	8.8	+ 7° 3′	21	0.228
Aug. 9	20 58.1	8.6	+ 6 42	43	0.223
19	20 49.5	7.1	+ 5 59	59	0.225
29	20 42.4		+ 5 0		0.233

(697) [1910 *JO*] 11.7 1910

1912	α	Diff.	δ	Diff.	log Δ
Juli 20	21 20.6	10.0	−40 20	29	0.195
30	21 10.6	11.1	−40 49	7	0.188
Aug. 9	20 59.5	10.6	−40 56	18	0.189
19	20 48.9		−40 38		0.195

(11) Parthenope 8.6 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	21 17.1	8.6	−16 52	68	0.080
Aug. 9	21 8.5	8.5	−18 0	62	0.077
19	21 0.0	7.0	−19 2	53	0.084
29	20 53.0		−19 55		0.099

(120) Lachesis 11.7 1908

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	21 21.4	8.5	−20 47	21	0.324
Aug. 9	21 12.9	8.3	−21 8	14	0.324
19	21 4.6	7.2	−21 22	6	0.329
29	20 57.4		−21 28		0.340

(642) [1907 *ZY*] 14.2 1910

1912	α	Diff.	δ	Diff.	log Δ
Juli 28	21 24.3	8.0	−25 0	29	0.418
Aug. 7	21 16.3	8.2	−25 29	20	0.415
17	21 8.1	7.6	−25 49	11	0.418
27	21 0.5		−26 0		0.425

(648) [1907 *AE*] 13.8 1909

1912	α	Diff.	δ	Diff.	log Δ
Aug. 10	21 26.6	7.7	− 8 16	21	0.424
20	21 18.9	7.2	− 8 37	22	0.424
30	21 11.7	6.2	− 8 59	22	0.428
Sept. 9	21 5.5		− 9 21		0.436

(549) Jessonda 14.0 1910

1912	α	Diff.	δ	Diff.	log Δ
Aug. 9	21 32.3	9.0	−11 40	34	0.289
19	21 23.3	8.8	−12 14	32	0.285
29	21 14.5	7.5	−12 46	30	0.287
Sept. 8	21 7.0		−13 16		0.295

(692) [1901 *HD*] 14.1 1911

1912	α	Diff.	δ	Diff.	log Δ
Juli 30	21 49.7	9.1	−47 58	55	0.474
Aug. 9	21 40.6	9.4	−48 53	34	0.474
19	21 31.2	9.2	−49 27	11	0.478
29	21 22.0		−49 38		0.485

(336) Lacadiera 11.5 1906

1912	α		δ		log Δ
Aug. 9	21ʰ 40ᵐ.2	9.5	− 2° 40′	48	0.052
19	21 30.7	8.6	− 3 28	59	0.054
29	21 22.1	6.6	− 4 27	60	0.065
Sept. 8	21 15.5		− 5 27		0.083

(558) Carmen 12.3 1911

1912	α		δ		log Δ
Aug. 9	21 43.3	7.6	−13 1	64	0.297
19	21 35.7	7.3	−14 5	62	0.296
29	21 28.4	6.3	−15 7	54	0.302
Sept. 8	21 22.1		−16 1		0.313

(601) [1906 *UN*] 12.0 1908

1912	α		δ		log Δ
Aug. 9	21 53.2	6.7	− 1 14	87	0.254
19	21 46.5	6.4	− 2 41	95	0.251
29	21 40.1	5.6	− 4 16	98	0.252
Sept. 8	21 34.5		− 5 54		0.263

(117) Lomia 11.3 1907

1912	α		δ		log Δ
Aug. 9	21 54.7	9.4	−24 39	3	0.296
19	21 45.3	9.4	−24 42	−6	0.296
29	21 35.9	5.7	−24 36	10	0.302
Sept. 8	21 30.2		−24 26		0.312

(342) Endymion 13.2 1911

1912	α		δ		log Δ
Aug. 9	21 55.5	8.6	− 0 26	40	0.247
19	21 46.9	8.4	− 1 6	51	0.240
29	21 38.5	7.7	− 1 57	58	0.240
Sept. 8	21 30.8		− 2 55		0.247

(179) Klytæmnestra 10.9 1908

1912	α		δ		log Δ
Aug. 9	21 56.0	7.8	− 0 1	24	0.225
19	21 48.2	7.7	− 0 25	37	0.220
29	21 40.5	6.7	− 1 2	44	0.221
Sept. 8	21 33.8		− 1 46		0.229

(110) Lydia 10.0 1911

1912	α		δ		log Δ
Aug. 9	22 3.7	8.6	−22 27	49	0.183
19	21 55.1	8.6	−23 16	35	0.182
29	21 46.5	7.7	−23 51	18	0.188
Sept. 8	21 38.8		−24 9		0.200

(169) Zelia 10.4 1911

1912	α		δ		log Δ
Aug. 9	22 5.6	9.9	−18 1	17	0.020
19	21 55.7	9.8	−18 18	7	0.017
29	21 45.9	8.4	−18 25	−7	0.024
Sept. 8	21 37.5		−18 18		0.039

(116) Sirona 11.5 1911

1912	α		δ		log Δ
Aug. 19	21ʰ 58ᵐ.2	8.4	−17° 57′	42	0.330
29	21 49.8	7.4	−18 39	32	0.335
Sept. 8	21 42.4	6.2	−19 11	20	0.345
18	21 36.2		−19 31		0.359

(544) Jetta 11.9 1911

1912	α		δ		log Δ
Aug. 19	22 6.7	9.5	− 3 32	17	0.121
29	21 57.2	8.3	− 3 49	21	0.126
Sept. 8	21 48.9	6.4	− 4 10	22	0.139
18	21 42.5		− 4 32		0.160

(325) Heidelberga 12.2 1909

1912	α		δ		log Δ
Aug. 19	22 22.3	8.0	−13 35	21	0.326
29	22 14.3	7.9	−13 56	18	0.323
Sept. 8	22 6.4	7.0	−14 14	10	0.325
18	21 59.4		−14 24		0.334

(347) Pariana 12.7 1911

1912	α		δ		log Δ
Aug. 19	22 23.3	9.0	−26 43	57	0.304
29	22 14.3	8.7	−27 40	37	0.309
Sept. 8	22 5.6	7.3	−28 17	18	0.318
18	21 58.3		−28 35		0.333

(282) Clorinde 13.4 1908

1912	α		δ		log Δ
Aug. 19	22 23.4	8.7	−11 44	95	0.140
29	22 14.7	8.6	−13 19	89	0.137
Sept. 8	22 6.1	6.7	−14 48	75	0.143
18	21 59.4		−16 3		0.156

(632) [1907 *YX*] 14.2 1907

1912	α		δ		log Δ
Aug. 23	22 21.8	9.0	−12 0	40	0.180
Sept. 2	22 12.8	7.8	−12 40	32	0.189
12	22 5.0	5.3	−13 12	22	0.205
22	21 59.7		−13 34		0.225

(502) Signe 14.7 1911

1912	α		δ		log Δ
Aug. 19	22 30.8	8.9	−22 12	124	0.258
29	22 21.9	8.9	−24 16	105	0.260
Sept. 8	22 13.0	7.7	−26 1	82	0.269
18	22 5.3		−27 23		0.283

(332) Siri 12.0 1911

1912	α		δ		log Δ
Aug. 19	22 41.0	8.3	−12 44	43	0.183
29	22 32.7	8.3	−13 27	36	0.181
Sept. 8	22 24.4	7.2	−14 3	26	0.187
18	22 17.2		−14 29		0.199

(405) Thia 11.9 1909

1912	α		δ		log Δ
Aug. 29	22h 36.8m	8.6	+10° 13′	53	0.307
Sept. 8	22 28.2	7.9	+ 9 20	64	0.310
18	22 20.3	6.3	+ 8 16	68	0.318
28	22 14.0		+ 7 8		0.332

(659) Nestor 13.8 1909

1912	α		δ		log Δ
Aug. 29	22 40.4	5.3	− 9 45	24	0.559
Sept. 8	22 35.1	4.9	−10 9	22	0.561
18	22 30.2	4.3	−10 31	17	0.566
28	22 25.9		−10 48		0.575

(251) Sophia 13.8 1910

1912	α		δ		log Δ
Aug. 29	22 45.1	6.9	− 8 22	72	0.332
Sept. 8	22 38.2	6.6	− 9 34	67	0.332
18	22 31.6	5.3	−10 41	58	0.340
28	22 26.3		−11 39		0.348

(510) Mabella 12.0 1908

1912	α		δ		log Δ
Aug. 29	22 45.5	7.4	+ 4 46	93	0.094
Sept. 8	22 38.1	6.4	+ 3 13	101	0.100
18	22 31.7	4.7	+ 1 32	97	0.112
28	22 27.0		− 0 5		0.132

(81) Terpsichore 11.2 1903

1912	α		δ		log Δ
Aug. 29	22 46.7	9.2	−13 50	21	0.192
Sept. 8	22 37.5	8.8	−14 11	11	0.189
18	22 28.7	7.1	−14 22	$\overline{3}$	0.194
28	22 21.6		−14 19		0.205

(111) Ate 11.6 1911

1912	α		δ		log Δ
Aug. 29	22 46.8	8.9	− 3 9	37	0.242
Sept. 8	22 37.9	8.4	− 3 46	39	0.241
18	22 29.5	6.9	− 4 25	39	0.246
28	22 22.6		− 5 4		0.258

(286) Iclea 13.2 1910

1912	α		δ		log Δ
Aug. 29	22 50.1	6.6	−11 51	89	0.336
Sept. 8	22 43.5	6.2	−13 20	80	0.337
18	22 37.3	5.2	−14 40	67	0.345
28	22 32.1		−15 47		0.357

(33) Polyhymnia 9.3 1911

1912	α		δ		log Δ
Aug. 29	22 52.6	6.7	− 9 26	23	9.951
Sept. 8	22 45.9	6.0	− 9 49	15	9.952
18	22 39.9	3.9	−10 4	1	9.964
28	22 36.0		−10 5		9.978

(523) Ada 12.9 1910

1912	α		δ		log Δ
Aug. 29	22h 57.6m	7.7	+ 0° 2′	44	0.308
Sept. 8	22 49.9	7.6	− 0 42	48	0.303
18	22 42.3	6.6	− 1 30	48	0.304
28	22 35.7		− 2 18		0.311

(412) Elisabetha 12.1 1911

1912	α		δ		log Δ
Aug. 29	22 58.4	8.1	−24 13	68	0.270
Sept. 8	22 50.3	7.7	−25 21	48	0.275
18	22 42.6	6.4	−26 9	25	0.286
28	22 36.2		−26 34		0.301

(123) Brunhild 11.7 1905

1912	α		δ		log Δ
Aug. 29	23 0.8	8.8	− 0 4	31	0.216
Sept. 8	22 52.0	8.7	− 0 35	36	0.211
18	22 43.3	7.4	− 1 11	34	0.213
28	22 35.9		− 1 45		0.221

(141) Lumen 10.1 1901

1912	α		δ		log Δ
Aug. 29	23 6.0	9.9	+ 4 1	20	0.065
Sept. 8	22 56.1	9.9	+ 4 21	10	0.057
18	22 46.2	8.4	+ 4 31	2	0.059
28	22 37.8		+ 4 33		0.070

(48) Doris 10.9 1911

1912	α		δ		log Δ
Aug. 29	23 13.7	6.9	− 1 24	59	0.326
Sept. 8	23 6.8	6.8	− 2 23	64	0.322
18	23 0.0	6.1	− 3 27	59	0.324
28	22 53.9		− 4 26		0.331

(546) Herodias 12.6 1910

1912	α		δ		log Δ
Aug. 29	23 19.9	10.2	−21 13	25	0.270
Sept. 8	23 9.7	10.0	−21 38	7	0.269
18	22 59.7	9.2	−21 45	$\overline{10}$	0.274
28	22 50.5		−21 35		0.285

(698) [1910 *JX*] 14.4 1910

1912	α		δ		log Δ
Aug. 29	23 23.2	8.5	−19 57	38	0.338
Sept. 8	23 14.7	8.6	−20 35	25	0.336
18	23 6.1	7.9	−21 0	8	0.341
28	22 58.2		−21 8		0.350

(10) Hygiea 9.7 1910

1912	α		δ		log Δ
Sept. 8	23 15.9	7.3	+ 0 36	44	0.351
18	23 8.6	6.8	− 0 8	43	0.354
28	23 1.8	5.4	− 0 51	40	0.363
Okt. 8	22 56.4		− 1 31		0.379

(672) [1908 *DY*] 12.8 1908

1912	α		δ		log Δ
Sept. 13	23h 18.6m	10.0	−2° 14′	5	0.127
23	23 8.6	8.4	−2 19	3	0.136
Okt. 3	23 0.2	5.9	−2 22	5	0.154
13	22 54.3		−2 17		0.177

(8) Flora 8.1 1911

1912	α		δ		log Δ
Sept. 12	23 21.2	8.3	−15 18	66	9.972
22	23 12.9	7.3	−16 24	46	9.979
Okt. 2	23 5.6	4.3	−17 10	24	9.991
12	23 1.3		−17 34		0.012

(148) Gallia 10.1 1911

1912	α		δ		log Δ
Sept. 8	23 25.3	6.9	−20 26	156	0.150
18	23 18.4	6.3	−23 2	128	0.153
28	23 12.1	4.8	−25 10	91	0.164
Okt. 8	23 7.3		−26 41		0.181

(394) Arduina 11.6 1906

1912	α		δ		log Δ
Sept. 8	23 26.7	8.0	−16 18	32	0.060
18	23 18.7	7.1	−16 50	10	0.067
28	23 11.6	5.0	−17 0	14	0.082
Okt. 8	23 6.6		−16 46		0.104

(276) Adelheid 12.0 1911

1912	α		δ		log Δ
Sept. 8	23 33.8	6.9	+17 15	79	0.359
18	23 26.9	6.5	+15 56	85	0.354
28	23 20.4	5.6	+14 21	103	0.354
Okt. 8	23 14.8		+12 38		0.360

(151) Abundantia 12.1 1911

1912	α		δ		log Δ
Sept. 8	23 34.5	9.1	−11 24	39	0.229
18	23 25.4	8.5	−12 3	27	0.230
28	23 16.9	7.1	−12 30	10	0.239
Okt. 8	23 9.8		−12 40		0.256

(426) Hippo 12.0 1908

1912	α		δ		log Δ
Sept. 8	23 40.0	9.2	+20 16	8	0.353
18	23 30.8	9.0	+20 8	26	0.348
28	23 21.8	8.1	+19 42	41	0.349
Okt. 8	23 13.7		+19 1		0.355

(603) [1906 *TJ*] 14.5 1910

1912	α		δ		log Δ
Sept. 10	23 43.0	9.5	+0 27	34	0.266
20	23 33.5	9.1	−0 7	34	0.263
30	23 24.4	7.8	−0 41	29	0.267
Okt. 10	23 16.6		−1 10		0.278

(591) [1906 *TP*] 14.6 1906

1912	α		δ		log Δ
Sept. 8	23h 44.0m	9.0	+5° 0′	27	0.347
18	23 35.0	8.7	+4 33	31	0.346
28	23 26.3	7.9	+4 2	33	0.350
Okt. 8	23 18.4		+3 29		0.360

(209) Dido 11.7 1910

1912	α		δ		log Δ
Sept. 8	23 44.9	7.5	−3 38	30	0.336
18	23 37.4	7.9	−4 8	28	0.336
28	23 29.5	7.4	−4 36	23	0.342
Okt. 8	23 22.1		−4 59		0.354

(536) Merapi 11.2 1910

1912	α		δ		log Δ
Sept. 8	23 52.6	8.2	−30 41	24	0.349
18	23 44.4	8.1	−31 5	0	0.351
28	23 36.3	7.0	−31 5	37	0.358
Okt. 8	23 29.3		−30 28		0.369

(327) Columbia 12.8 1903

1912	α		δ		log Δ
Sept. 18	23 47.8	8.8	−1 11	27	0.224
28	23 39.0	7.8	−1 38	24	0.229
Okt. 8	23 31.2	5.9	−2 2	13	0.241
18	23 25.3		−2 15		0.258

(519) Sylvania 10.8 1911

1912	α		δ		log Δ
Sept. 18	23 49.2	9.1	−18 19	5	0.109
28	23 40.1	8.0	−18 14	31	0.118
Okt. 8	23 32.1	5.2	−17 43	51	0.134
18	23 26.9		−16 52		0.156

(572) [1905 *RB*] 11.9 1905

1912	α		δ		log Δ
Sept. 18	23 52.5	7.2	+5 18	126	9.985
28	23 45.3	6.2	+3 12	128	9.982
Okt. 8	23 39.1	3.8	+1 4	112	9.990
18	23 35.3		−0 48		0.006

(289) Nenetta 11.2 1909

1912	α		δ		log Δ
Sept. 18	23 55.7	6.7	+0 39	85	0.111
28	23 49.0	5.9	−0 46	80	0.113
Okt. 8	23 43.1	4.2	−2 6	66	0.122
18	23 38.9		−3 12		0.139

(231) Vindobona 12.4 1911

1912	α		δ		log Δ
Sept. 18	23 57.3	8.3	+0 34	37	0.289
28	23 49.0	7.5	−0 3	35	0.294
Okt. 8	23 41.5	6.1	−0 38	31	0.305
18	23 35.4		−1 9		0.322

1912	α		δ		log Δ
(76) Freia		11.8		1909	
Sept. 18	23h 59.4m	6.9	+ 1° 41′	49	0.360
28	23 52.5	6.5	+ 0 52	49	0.357
Okt. 8	23 46.0	5.6	+ 0 3	43	0.360
18	23 40.4		− 0 40		0.369
(278) Paulina		13.4		1910	
Sept. 18	0 5.4	8.8	−11 0	40	0.321
28	23 56.6	7.8	−11 40	27	0.325
Okt. 8	23 48.8	6.6	−12 7	12	0.335
18	23 42.2		−12 19		0.349
(223) Rosa		13.3		1910	
Sept. 18	0 21.6	7.5	+ 0 4	46	0.333
28	0 14.1	7.4	− 0 42	42	0.329
Okt. 8	0 6.7	6.3	− 1 24	37	0.332
18	0 0.4		− 2 1		0.340
(121) Hermione		10.4		1910	
Sept. 18	0 21.7	7.1	− 9 45	39	0.292
28	0 14.6	7.0	−10 24	29	0.293
Okt. 8	0 7.6	6.1	−10 53	9	0.300
18	0 1.5		−11 2		0.312
(301) Bavaria		12.7		1911	
Sept. 18	0 25.0	7.9	− 2 31	66	0.241
28	0 17.1	7.8	− 3 37	58	0.242
Okt. 8	0 9.3	6.5	− 4 35	47	0.250
18	0 2.8		− 5 22		0.263
(60) Echo		10.9		1908	
Sept. 28	0 31.5	8.9	+ 3 58	78	0.124
Okt. 8	0 22.6	8.3	+ 2 40	73	0.121
18	0 14.3	6.5	+ 1 27	61	0.126
28	0 7.8		+ 0 26		0.141
(494) Virtus		12.4		1910	
Sept. 28	0 32.7	8.1	− 2 46	32	0.315
Okt. 8	0 24.6	7.5	− 3 18	20	0.319
18	0 17.1	6.0	− 3 38	13	0.329
28	0 11.1		− 3 51		0.344
(567) Eleutheria		13.5		1905	
Sept. 28	0 35.8	7.6	− 7 23	31	0.376
Okt. 8	0 28.2	7.1	− 7 54	20	0.380
18	0 21.1	5.9	− 8 14	7	0.389
28	0 15.2		− 8 21		0.402

1912	α		δ		log Δ
(501) Urhixidur		12.2		1910	
Sept. 28	0h 38.2m	10.4	+12° 8′	15	0.244
Okt. 8	0 27.8	9.7	+12 23	7	0.246
18	0 18.1	8.0	+12 30	4	0.255
28	0 10.1		+12 34		0.269
(180) Garumna		13.5		1899	
Sept. 28	0 40.3	8.3	+ 5 34	53	0.267
Okt. 8	0 32.0	8.2	+ 4 41	50	0.264
18	0 23.8	6.8	+ 3 51	45	0.268
28	0 17.0		+ 3 6		0.277
(94) Aurora		10.9		1909	
Sept. 28	0 40.5	8.2	+ 5 27	25	0.292
Okt. 8	0 32.3	7.8	+ 5 2	24	0.292
18	0 24.5	6.4	+ 4 38	19	0.298
28	0 18.1		+ 4 19		0.309
(388) Charybdis		11.5		1910	
Sept. 28	0 47.5	8.4	+ 8 0	31	0.278
Okt. 8	0 39.1	7.8	+ 7 29	31	0.278
18	0 31.3	6.7	+ 6 58	28	0.285
28	0 24.6		+ 6 30		0.298
(32) Pomona		11.5		1910	
Okt. 1	0 47.5	8.4	+ 9 43	70	0.257
11	0 39.1	7.6	+ 8 33	71	0.257
21	0 31.5	6.2	+ 7 22	63	0.264
31	0 25.3		+ 6 19		0.277
(395) Delia		12.8		1911	
Sept. 28	1 0.7	8.2	+11 55	55	0.249
Okt. 8	0 52.5	8.0	+11 0	59	0.249
18	0 44.5	6.8	+10 1	57	0.256
28	0 37.7		+ 9 4		0.269
(100) Hekate		11.4		1910	
Okt. 8	0 57.2	7.2	− 3 30	47	0.268
18	0 50.0	6.2	− 4 17	32	0.277
28	0 43.8	4.7	− 4 49	14	0.290
Nov. 7	0 39.1		− 5 3		0.312
(71) Niobe		11.7		1910	
Okt. 4	0 58.2	10.8	+39 28	20	0.370
14	0 47.4	10.2	+39 8	45	0.367
24	0 37.2	8.7	+38 23	64	0.368
Nov. 3	0 28.5		+37 19		0.374

(711) [1911 *LN*] 12.6 1911

1912	α		δ		log Δ
Sept. 28	1h 5.1m	11.2	+10° 19'	26	0.029
Okt. 8	0 53.9	10.5	+ 9 53	30	0.034
18	0 43.4	8.7	+ 9 23	30	0.048
28	0 34.7		+ 8 53		0.071

(317) Roxane 11.7 1911

1912	α		δ		log Δ
Sept. 28	1 6.9	9.0	+ 4 48	67	0.054
Okt. 8	0 57.9	9.0	+ 3 41	62	0.054
18	0 48.9	7.4	+ 2 39	49	0.063
28	0 41.5		+ 1 50		0.080

(484) Pittsburghia 12.8 1907

1912	α		δ		log Δ
Okt. 8	1 1.0	7.9	−13 11	50	0.209
18	0 53.1	6.8	−14 1	23	0.218
28	0 46.3	5.0	−14 24	−2	0.234
Nov. 7	0 41.3		−14 22		0.254

(222) Lucia 13.2 1910

1912	α		δ		log Δ
Okt. 8	1 1.8	7.5	+ 3 32	43	0.362
18	0 54.3	6.6	+ 2 49	36	0.368
28	0 47.7	5.2	+ 2 13	26	0.379
Nov. 7	0 42.5		+ 1 47		0.394

(45) Eugenia 11.0 1911

1912	α		δ		log Δ
Sept. 28	1 6.9	7.6	− 0 23	66	0.279
Okt. 8	0 59.3	7.4	− 1 29	59	0.279
18	0 51.9	6.7	− 2 28	47	0.283
28	0 45.2		− 3 15		0.295

(170) Maria 12.7 1908

1912	α		δ		log Δ
Okt. 8	1 10.9	10.3	+32 34	36	0.196
18	1 0.6	9.6	+31 58	63	0.190
28	0 51.0	7.6	+30 55	79	0.192
Nov. 7	0 43.4		+29 36		0.200

(562) Salome 12.5 1909

1912	α		δ		log Δ
Okt. 8	1 10.5	8.3	− 8 22	18	0.261
18	1 2.2	7.5	− 8 40	0	0.267
28	0 54.7	5.9	− 8 40	−19	0.280
Nov. 7	0 48.8		− 8 21		0.297

(311) Claudia 13.1 1905

1912	α		δ		log Δ
Okt. 8	1 10.9	8.1	+ 2 41	43	0.284
18	1 2.8	7.4	+ 1 58	36	0.287
28	0 55.4	6.0	+ 1 22	24	0.296
Nov. 7	0 49.4		+ 0 58		0.310

(105) Artemis 11.7 1908

1912	α		δ		log Δ
Okt. 8	1h 11.1m	8.4	+ 1° 57'	129	0.211
18	1 2.7	7.4	− 0 12	113	0.219
28	0 55.3	5.7	− 2 5	89	0.234
Nov. 7	0 49.6		− 3 34		0.254

(78) Diana 10.5 1910

1912	α		δ		log Δ
Okt. 8	1 15.7	11.3	+20 12	36	0.188
18	1 4.4	10.8	+19 36	47	0.181
28	0 53.6	9.0	+18 49	55	0.182
Nov. 7	0 44.6		+17 54		0.190

(366) Vincentina 12.3 1909

1912	α		δ		log Δ
Okt. 8	1 19.3	8.5	+17 47	23	0.326
18	1 10.8	8.1	+17 24	30	0.326
28	1 2.7	6.8	+16 54	32	0.332
Nov. 7	0 55.9		+16 22		0.343

(9) Metis 9.4 1910

1912	α		δ		log Δ
Okt. 10	1 20.1	9.7	− 0 8	32	0.079
20	1 10.4	8.9	− 0 40	18	0.080
30	1 1.5	6.7	− 0 58	−2	0.089
Nov. 9	0 54.8		− 0 56		0.106

(338) Budrosa 12.0 1911

1912	α		δ		log Δ
Okt. 8	1 20.9	8.3	+18 28	48	0.272
18	1 12.6	7.7	+17 40	55	0.271
28	1 4.9	6.6	+16 45	58	0.275
Nov. 7	0 58.3		+15 47		0.286

(651) [1907 *AN*] 13.0 1909

1912	α		δ		log Δ
Okt. 7	1 22.2	8.9	+ 2 3	13	0.244
17	1 13.3	8.5	+ 1 50	6	0.244
27	1 4.8	7.1	+ 1 44	−5	0.251
Nov. 6	0 57.7		+ 1 49		0.265

(260) Huberta 13.3 1906

1912	α		δ		log Δ
Okt. 8	1 26.1	6.7	+ 3 52	56	0.330
18	1 19.4	6.4	+ 2 56	50	0.332
28	1 13.0	5.4	+ 2 6	39	0.340
Nov. 7	1 7.6		+ 1 27		0.353

(516) Amherstia 12.2 1911

1912	α		δ		log Δ
Okt. 8	1 26.7	9.5	+25 21	32	0.379
18	1 17.2	9.1	+24 49	44	0.378
28	1 8.1	8.0	+24 5	52	0.382
Nov. 7	1 0.1		+23 13		0.391

(108) Hecuba 12.0 1910

1912	α		δ		log Δ
Okt. 8	1h 26.9m	7.6	+12° 23′	35	0.393
18	1 19.3	7.3	+11 48	37	0.391
28	1 12.0	6.5	+11 11	35	0.394
Nov. 7	1 5.5		+10 36		0.402

(348) May 12.9 1910

1912	α		δ		log Δ
Okt. 8	1 29.1	8.1	− 5 58	33	0.288
18	1 21.0	8.2	− 6 31	19	0.288
28	1 12.8	6.1	− 6 50	5	0.298
Nov. 7	1 6.7		− 6 55		0.307

(28) Bellona 10.2 1911

1912	α		δ		log Δ
Okt. 8	1 30.1	7.9	− 3 6	66	0.268
18	1 22.2	7.7	− 4 12	54	0.266
28	1 14.5	6.6	− 5 6	35	0.270
Nov. 7	1 7.9		− 5 41		0.281

(146) Lucina 11.4 1910

1912	α		δ		log Δ
Okt. 8	1 33.8	8.7	−10 2	31	0.280
18	1 25.1	8.5	−10 33	10	0.283
28	1 16.6	7.3	−10 43	$\overline{9}$	0.292
Nov. 7	1 9.3		−10 34		0.306

(118) Peitho 10.1 1910

1912	α		δ		log Δ
Okt. 8	1 35.4	10.3	+ 2 42	18	0.079
18	1 25.1	10.0	+ 2 24	8	0.073
28	1 15.1	9.6	+ 2 16	$\overline{4}$	0.076
Nov. 7	1 5.5		+ 2 20		0.094

(570) [1905 *QX*] 12.1 1910

1912	α		δ		log Δ
Okt. 8	1 35.5	7.2	+11 11	47	0.315
18	1 28.3	6.9	+10 24	46	0.313
28	1 21.4	6.1	+ 9 38	43	0.318
Nov. 7	1 15.3		+ 8 55		0.328

(407) Arachne 11.5 1908

1912	α		δ		log Δ
Okt. 8	1 41.1	9.2	+23 51	41	0.171
18	1 31.9	9.2	+23 10	58	0.166
28	1 22.7	7.4	+22 12	64	0.168
Nov. 7	1 15.3		+21 8		0.177

(54) Alexandra 10.8 1908

1912	α		δ		log Δ
Okt. 18	1 32.0	9.9	+29 9	49	0.224
28	1 22.1	8.7	+28 20	63	0.230
Nov. 7	1 13.4	5.9	+27 17	70	0.244
17	1 7.5		+26 7		0.261

(677) [1909 *FR*] 13.1 1911

1912	α		δ		log Δ
Okt. 15	1h 37.4m	8.2	+22° 36′	56	0.309
25	1 29.2	7.7	+21 40	64	0.308
Nov. 4	1 21.5	6.1	+20 36	66	0.313
14	1 15.4		+19 30		0.323

(655) [1907 *BF*] 12.1 1909

1912	α		δ		log Δ
Okt. 15	1 38.6	7.7	− 0 5	49	0.249
25	1 30.9	6.9	− 0 54	34	0.252
Nov. 4	1 24.0	5.6	− 1 28	17	0.261
14	1 18.4		− 1 45		0.276

(131) Vala 12.6 1908

1912	α		δ		log Δ
Okt. 18	1 42.7	9.6	+ 5 4	37	0.202
28	1 33.1	8.5	+ 4 27	26	0.207
Nov. 7	1 24.6	6.7	+ 4 1	13	0.219
17	1 17.9		+ 3 48		0.237

(20) Massalia 8.8 1910

1912	α		δ		log Δ
Okt. 18	1 45.3	9.5	+10 53	58	0.104
28	1 35.8	8.5	+ 9 55	54	0.102
Nov. 7	1 27.3	6.5	+ 9 1	45	0.109
17	1 20.8		+ 8 16		0.123

(61) Danae 10.4 1911

1912	α		δ		log Δ
Okt. 18	1 47.7	11.1	+37 45	12	0.234
28	1 36.6	10.1	+37 33	37	0.235
Nov. 7	1 26.5	8.0	+36 56	54	0.242
17	1 18.5		+36 2		0.255

(185) Eunike 9.8 1910

1912	α		δ		log Δ
Okt. 18	1 49.1	7.2	−19 48	80	0.171
28	1 41.9	6.5	−21 8	42	0.182
Nov. 7	1 35.4	4.5	−21 50	1	0.198
17	1 30.9		−21 51		0.218

(157) Dejanira 13.3 1908

1912	α		δ		log Δ
Okt. 18	1 50.1	10.4	− 2 2	7	0.158
28	1 39.7	9.6	− 2 9	$\overline{10}$	0.157
Nov. 7	1 30.1	7.9	− 1 59	30	0.163
17	1 22.2		− 1 29		0.176

(235) Carolina 12.2 1910

1912	α		δ		log Δ
Okt. 18	1 44.9	8.5	+ 1 5	21	0.289
28	1 36.4	7.8	+ 0 44	10	0.294
Nov. 7	1 28.6	6.2	+ 0 34	$\overline{4}$	0.306
17	1 22.4		+ 0 38		0.322

(560) Delila 13.6 1905

1912	α		δ		log Δ
Okt. 18	1h 55m.0	8.5	− 1° 25′	38	0.268
28	1 46.5	8.0	− 2 3	24	0.269
Nov. 7	1 38.5	6.8	− 2 27	7	0.276
17	1 31.7		− 2 34		0.288

(83) Beatrix 11.8 1904

1912	α		δ		log Δ
Okt. 18	2 2.9	10.0	+12 50	34	0.213
28	1 52.9	9.6	+12 16	35	0.212
Nov. 7	1 43.3	7.8	+11 41	29	0.219
17	1 35.5		+11 12		0.233

(320) Katharina 13.6 1907

1912	α		δ		log Δ
Okt. 18	2 4.9	7.5	+15 28	77	0.231
28	1 57.4	7.1	+14 11	78	0.232
Nov. 7	1 50.3	5.8	+12 53	71	0.239
17	1 44.5		+11 42		0.253

(13) Egeria 9.7 1910

1912	α		δ		log Δ
Okt. 8	2 16.0	10.2	+ 5 25	3	0.209
18	2 5.8	11.0	+ 5 28	8	0.200
28	1 54.8	10.7	+ 5 36	15	0.198
Nov. 7	1 44.1		+ 5 51		0.204

(417) Suevia 13.3 1911

1912	α		δ		log Δ
Okt. 18	2 9.4	8.1	+11 4	61	0.331
28	2 1.3	7.8	+10 3	58	0.328
Nov. 7	1 53.5	6.8	+ 9 5	52	0.332
17	1 46.7		+ 8 13		0.342

(175) Andromache 11.7 1911

1912	α		δ		log Δ
Okt. 18	2 11.2	8.2	+13 49	31	0.275
28	2 3.0	7.8	+13 18	32	0.276
Nov. 7	1 55.2	6.6	+12 46	28	0.284
17	1 48.6		+12 18		0.298

(507) Laodica 11.9 1911

1912	α		δ		log Δ
Okt. 18	2 11.5	8.4	+28 26	40	0.275
28	2 3.1	8.2	+27 46	53	0.271
Nov. 7	1 54.9	7.0	+26 53	64	0.273
17	1 47.9		+25 49		0.282

(324) Bamberga 7.6 1909

1912	α		δ		log Δ
Okt. 18	2 14.9	9.8	+36 30	15	9.943
28	2 5.1	9.4	+36 45	28	9.944
Nov. 7	1 55.7	6.8	+36 17	58	9.955
17	1 48.9		+35 19		9.975

(408) Fama 12.6 1906

1912	α		δ		log Δ
Okt. 28	2h 11m.4	8.4	+28° 9′	50	0.247
Nov. 7	2 3.0	7.2	+27 19	60	0.248
17	1 55.8	5.3	+26 19	83	0.256
27	1 50.5		+24 56		0.268

(550) Senta 11.5 1910

1912	α		δ		log Δ
Okt. 28	2 15.6	9.6	+27 54	80	0.157
Nov. 7	2 6.0	7.6	+26 34	94	0.166
17	1 58.4	5.3	+25 0	90	0.181
27	1 53.1		+23 30		0.203

(15) Eunomia 7.4 1910

1912	α		δ		log Δ
Okt. 13	2 40.4	8.4	+36 39	11	0.008
23	2 32.0	9.7	+36 28	45	0.085
Nov. 2	2 22.3	9.3	+35 43	76	0.079
12	2 13.0		+34 27		0.081

(371) Bohemia 12.0 1911

1912	α		δ		log Δ
Okt. 28	2 34.8	9.2	+25 44	53	0.272
Nov. 7	2 25.6	8.6	+24 51	61	0.272
17	2 17.0	7.0	+23 50	63	0.279
27	2 10.0		+22 47		0.291

(612) [1906 *VN*] 14.0 1906

1912	α		δ		log Δ
Nov. 5	2 38.3	11.0	+26 58	7	0.272
15	2 27.3	9.6	+27 5	3	0.282
25	2 17.7	7.2	+27 8	12	0.298
Dez. 5	2 10.5		+26 56		0.318

(471) Papagena 8.5 1910

1912	α		δ		log Δ
Okt. 28	2 49.3	9.6	− 4 30	24	0.105
Nov. 7	2 39.7	9.0	− 4 6	49	0.107
17	2 30.7	7.3	− 3 17	72	0.117
27	2 23.4		− 2 5		0.134

(73) Klytia 11.8 1905

1912	α		δ		log Δ
Okt. 28	2 53.9	9.8	+18 53	31	0.196
Nov. 7	2 44.1	9.0	+18 22	35	0.193
17	2 35.1	8.0	+17 47	33	0.198
27	2 27.1		+17 14		0.210

(374) Burgundia 12.1 1911

1912	α		δ		log Δ
Nov. 7	2 51.5	8.3	+15 7	63	0.302
17	2 43.2	6.9	+14 4	58	0.306
27	2 36.3	5.8	+13 6	46	0.317
Dez. 7	2 30.5		+12 20		0.332

(**423**) Diotima 11.4 1910

1912	α		δ		log Δ
Okt. 28	3h 0.0m	8.5	+ 8° 52′	12	0.336
Nov. 7	2 51.5	8.6	+ 8 40	7	0.334
17	2 42.9	7.6	+ 8 33	1	0.339
27	2 35.3		+ 8 34		0.350

(**410**) Chloris 12.6 1911

1912	α		δ		log Δ
Nov. 7	2 59.9	9.0	+ 3 42	15	0.331
17	2 50.9	8.1	+ 3 27	2	0.339
27	2 42.8	5.8	+ 3 25	12	0.352
Dez. 7	2 37.0		+ 3 37		0.368

(**202**) Chryseïs 10.7 1911

1912	α		δ		log Δ
Nov. 7	3 9.6	8.0	+ 4 9	31	0.310
17	3 1.6	7.4	+ 3 38	18	0.311
27	2 54.2	6.2	+ 3 20	3	0.318
Dez. 7	2 48.0		+ 3 17		0.330

(**653**) [1907 *BK*] 13.1 1911

1912	α		δ		log Δ
Nov. 4	3 17.4	8.0	+ 1 12	32	0.333
14	3 9.4	7.8	+ 0 40	16	0.333
24	3 1.6	5.7	+ 0 24	1	0.339
Dez. 4	2 55.9		+ 0 23		0.355

(**40**) Harmonia 9.0 1911

1912	α		δ		log Δ
Nov. 8	3 20.7	10.8	+12 45	22	0.082
18	3 9.9	9.9	+12 23	14	0.085
28	3 0.0	7.6	+12 9	2	0.096
Dez. 8	2 52.4		+12 7		0.116

(**112**) Iphigenia 11.2 1911

1912	α		δ		log Δ
Nov. 7	3 22.5	10.7	+23 14	40	0.120
17	3 11.8	9.8	+22 34	44	0.124
27	3 2.0	7.5	+21 50	43	0.136
Dez. 7	2 54.5		+21 7		0.155

(**91**) Aegina 10.7 1910

1912	α		δ		log Δ
Nov. 7	3 25.9	10.1	+21 9	26	0.136
17	3 15.8	9.5	+20 43	32	0.132
27	3 6.3	7.7	+20 11	29	0.138
Dez. 7	2 58.6		+19 42		0.151

(**618**) [1906 *VZ*] 12.3 1910

1912	α		δ		log Δ
Nov. 2	3 33.4	8.1	− 4 0	16	0.333
12	3 25.3	7.9	− 4 16	5	0.333
22	3 17.4	5.9	− 4 11	24	0.338
Dez. 1	3 11.5		− 3 47		0.347

(**478**) Tergeste 10.7 1910

1912	α		δ		log Δ
Nov. 7	3h 39.3m	8.3	+20° 8′	72	0.279
17	3 31.0	8.1	+18 56	74	0.275
27	3 22.9	7.2	+17 42	70	0.277
Dez. 7	3 15.7		+16 32		0.286

(**6**) Hebe 7.4 1911

1912	α		δ		log Δ
Nov. 7	3 39.7	9.0	− 9 51	17	0.026
17	3 30.7	8.6	−10 8	23	0.033
27	3 22.1	6.8	− 9 45	62	0.048
Dez. 7	3 15.3		− 8 43		0.070

(**186**) Celuta 11.3 1908

1912	α		δ		log Δ
Nov. 7	3 44.6	13.5	+34 54	19	0.128
17	3 31.1	13.1	+35 13	6	0.128
27	3 18.0	11.1	+35 7	25	0.136
Dez. 7	3 6.9		+34 42		0.152

(**594**) [1906 *TW*] 16.8 1906

1912	α		δ		log Δ
Nov. 17	3 34.9	8.6	−24 18	12	0.440
27	3 26.3	7.6	−24 30	14	0.447
Dez. 7	3 18.7	6.5	−24 16	38	0.456
17	3 12.2		−23 38		0.468

(**609**) 1906 [*VF*] 13.1 1911

1912	α		δ		log Δ
Nov. 11	3 44.0	7.2	+14 3	32	0.341
21	3 35.8	7.9	+13 31	28	0.341
Dez. 1	3 27.9	6.7	+13 3	20	0.347
11	3 21.2		+12 43		0.358

(**441**) Bathilde 12.2 1911

1912	α		δ		log Δ
Nov. 17	3 46.2	9.1	+23 41	62	0.212
17	3 37.1	8.3	+22 39	64	0.213
Dez. 7	3 28.8	6.2	+21 35	60	0.220
17	3 22.6		+20 35		0.235

(**529**) Preciosa 12.5 1904

1912	α		δ		log Δ
Nov. 17	3 46.5	9.6	+17 10	12	0.240
27	3 36.9	8.8	+17 22	13	0.243
Dez. 7	3 28.1	6.9	+17 35	16	0.253
17	3 21.2		+17 51		0.269

(**24**) Themis 10.6 1911

1912	α		δ		log Δ
Nov. 17	3 46.7	8.7	+20 23	27	0.309
27	3 38.0	8.1	+19 56	25	0.308
Dez. 7	3 29.9	6.6	+19 31	23	0.313
17	3 23.3		+19 8		0.323

1912	α		δ		log Δ
(197) Arete		12.6		1907	
Nov. 17	3h 46.8m	9.9	+13° 44′	0	0.228
27	3 36.9	8.8	+13 44	6	0.234
Dez. 7	3 28.1	7.0	+13 50	15	0.249
17	3 21.1		+14 5		0.268
(56) Melete		11.8		1911	
Nov. 17	3 50.8	9.4	+11 28	45	0.262
27	3 41.4	8.6	+10 43	35	0.269
Dez. 7	3 32.8	6.6	+10 8	20	0.283
17	3 26.2		+ 9 48		0.302
(656) [1908 *BU*]		13.5		1911	
Nov. 19	3 52.5	8.5	+19 42	28	0.320
29	3 44.0	8.0	+19 14	26	0.318
Dez. 9	3 36.0	6.5	+18 48	23	0.324
19	3 29.5		+18 25		0.334
(584) [1906 *SY*]		10.3		1906	
Nov. 17	3 53.0	10.9	+36 49	181	9.999
27	3 42.1	8.8	+33 48	150	0.000
Dez. 7	3 33.3	5.6	+31 18	87	0.016
17	3 27.7		+29 51		0.046
(274) Philagoria		14.1		1905	
Nov. 17	4 2.3	8.6	+17 45	17	0.374
27	3 53.7	8.2	+17 28	18	0.373
Dez. 7	3 45.5	7.2	+17 10	13	0.377
17	3 38.3		+16 57		0.387
(17) Thetis		10.8		1911	
Nov. 17	4 2.7	10.2	+12 35	21	0.252
27	3 52.5	9.4	+12 14	14	0.254
Dez. 7	3 43.1	7.8	+12 0	4	0.263
17	3 35.3		+11 56		0.278
(266) Aline		10.9		1909	
Nov. 17	4 3.9	8.8	+19 28	92	0.159
27	3 55.1	8.2	+17 56	86	0.162
Dez. 7	3 46.9	6.4	+16 30	74	0.173
17	3 40.5		+15 16		0.191
(521) Brixia		10.2		1909	
Nov. 17	4 8.1	9.8	+ 9 44	49	0.006
27	3 58.3	9.0	+10 33	62	0.009
Dez. 7	3 49.3	6.7	+11 35	73	0.023
17	3 42.6		+12 48		0.045
(335) Roberta		12.2		1910	
Nov. 17	4h 9.4m	10.1	+12° 54′	27	0.240
27	3 59.3	9.5	+12 27	19	0.243
Dez. 7	3 49.8	8.1	+12 8	9	0.254
17	3 41.7		+11 59		0.271
(530) Turandot		12.6		1910	
Nov. 17	4 12.6	8.2	+ 9 39	14	0.357
27	4 4.4	7.8	+ 9 25	7	0.360
Dez. 7	3 56.6	6.9	+ 9 18	3	0.368
17	3 49.7		+ 9 21		0.381
(585) [1906 *TA*]		12.5		1910	
Nov. 17	4 20.3	9.8	+10 8	50	0.144
27	4 10.5	9.8	+ 9 18	36	0.138
Dez. 7	4 0.7	8.4	+ 8 42	20	0.140
17	3 52.3		+ 8 22		0.150
(574) [1905 *RD*]		12.5		1905	
Nov. 27	4 16.3	10.0	+34 42	36	9.872
Dez. 7	4 6.3	7.6	+34 6	57	9.881
17	3 58.7	3.5	+33 9	65	9.900
27	3 55.2		+32 4		9.929
(676) [1909 *FN*]		12.5		1911	
Nov. 17	4 22.8	8.1	+ 2 33	22	0.320
27	4 14.7	8.1	+ 2 11	7	0.321
Dez. 7	4 6.6	7.0	+ 2 4	10	0.329
17	3 59.6		+ 2 14		0.341
(187) Lamberta		12.3		1909	
Nov. 17	4 26.5	10.6	+32 19	1	0.357
27	4 15.9	10.8	+32 20	10	0.350
Dez. 7	4 5.1	9.8	+32 10	20	0.350
17	3 55.3		+31 50		0.355
(483) Seppina		12.7		1909	
Nov. 27	4 34.9	7.3	− 2 36	22	0.409
Dez. 7	4 27.6	6.8	− 2 58	5	0.412
17	4 20.8	5.7	− 3 3	19	0.420
27	4 15.1		− 2 44		0.431
(416) Vaticana		12.6		1911	
Nov. 27	4 42.0	10.0	+26 3	6	0.383
Dez. 7	4 32.0	9.7	+26 9	2	0.383
17	4 22.3	8.4	+26 7	3	0.389
27	4 13.9		+26 10		0.400

1912	α		δ		log Δ
(49) Pales	9.8		1911		
Nov. 27	4h 53.2m	9.3	+25° 48′	27	0.184
Dez. 7	4 43.9	8.5	+25 21	31	0.186
17	4 35.4	7.1	+24 50	31	0.195
27	4 28.3		+24 19		0.213
(174) Phaedra	12.4		1909		
Nov. 27	4 53.8	10.9	+39 20	18	0.368
Dez. 7	4 42.9	10.4	+39 2	34	0.365
17	4 32.5	9.0	+38 28	47	0.369
27	4 23.5		+37 41		0.377
(178) Belisana	12.2		1910		
Nov. 27	4 55.2	10.9	+23 42	11	0.202
Dez. 7	4 44.3	10.5	+23 31	14	0.200
17	4 33.8	8.8	+23 17	14	0.206
27	4 25.0		+23 3		0.220
(273) Atropos	12.5		1911		
Nov. 27	4 55.8	9.9	− 8 49	11	0.259
Dez. 7	4 45.9	9.4	− 9 0	16	0.265
17	4 36.5	8.1	− 8 44	42	0.273
27	4 28.4		− 8 2		0.304
(230) Athamantis	10.1		1907		
Nov. 27	4 56.6	10.6	+19 28	67	0.118
Dez. 7	4 46.0	10.0	+18 21	62	0.118
17	4 36.0	8.1	+17 19	52	0.127
27	4 27.9		+16 27		0.145
(172) Baucis	10.6		1910		
Nov. 27	5 3.4	13.0	+39 15	21	0.167
Dez. 7	4 50.4	12.4	+38 54	44	0.167
17	4 38.0	10.3	+38 10	59	0.174
27	4 27.7		+37 11		0.189
(64) Angelina	9.9		1911		
Dez. 7	5 0.0	10.3	+24 34	20	0.161
17	4 49.7	8.8	+24 14	22	0.162
27	4 40.9	6.5	+23 52	21	0.170
37	4 34.4		+23 31		0.187
(349) Dembowska	9.5		1909		
Nov. 27	5 5.9	10.8	+31 12	12	0.259
Dez. 7	4 55.6	10.3	+31 24	0	0.258
17	4 45.3	8.7	+31 24	10	0.263
27	4 36.6		+31 14		0.275

1912	α		δ		log Δ
(597) [1906 *UB*]	13.3		1906		
Dez. 7	5h 2.1m	11.3	+32° 58′	2	0.290
17	4 50.8	9.9	+33 0	9	0.296
27	4 40.9	7.2	+32 51	17	0.308
37	4 33.7		+32 34		0.325
(214) Aschera	12.0		1911		
Dez. 7	5 13.8	11.4	+28 39	15	0.192
17	5 2.4	9.7	+28 24	24	0.193
27	4 52.7	7.6	+28 0	28	0.202
37	4 45.1		+27 32		0.217
(341) California	13.6		1911		
Dez. 7	5 27.5	13.3	+30 49	2	0.135
17	5 14.2	12.1	+30 51	12	0.141
27	5 2.1	9.5	+30 39	19	0.156
37	4 52.6		+30 20		0.177
(600) [1906 *UM*]	13.4		1911		
Dez. 7	5 32.1	9.6	+ 9 50	8	0.266
17	5 22.5	9.1	+ 9 58	20	0.265
27	5 13.4	7.8	+10 18	30	0.271
37	5 5.6		+10 48		0.283
(133) Cyrene	12.0		1908		
Dez. 7	5 34.8	9.5	+32 0	12	0.398
17	5 25.3	9.3	+31 48	22	0.396
27	5 16.0	8.1	+31 26	41	0.399
37	5 7.9		+30 45		0.411
(398) Admete	12.3		1909		
Dez. 7	5 36.9	10.0	+29 24	66	0.063
17	5 26.9	9.5	+28 18	74	0.062
27	5 17.4	7.2	+27 4	75	0.070
37	5 10.2		+25 49		0.086
(599) [1906 *UJ*]	12.4		1910		
Dez. 7	5 40.3	12.9	+38 48	34	0.262
17	5 27.4	12.3	+39 22	12	0.268
27	5 15.1	10.3	+39 34	4	0.280
37	5 4.8		+39 30		0.298
(360) Carlova	10.9		1911		
Dez. 7	5 42.1	8.6	+ 8 17	26	0.185
17	5 33.5	8.8	+ 8 43	41	0.185
27	5 24.7	7.1	+ 9 24	53	0.192
37	5 17.6		+10 17		0.206

(284) Amalia 13.9 1911

1912	α		δ		log Δ
Dez. 7	5h 46.0m	10.9	+17° 26′	27	0.262
17	5 35.1	10.4	+16 59	24	0.262
27	5 24.7	9.2	+16 35	17	0.270
37	5 15.5		+16 18		0.283

(267) Tirza 14.5 1909

1912	α		δ		log Δ
Dez. 7	5 49.3	9.9	+24 54	12	0.319
17	5 39.4	9.9	+25 6	10	0.316
27	5 29.5	8.8	+25 16	5	0.320
37	5 20.7		+25 21		0.329

(434) Hungaria 12.4 1911

1912	α		δ		log Δ
Dez. 7	5 53.7	11.5	+16 52	22	0.085
17	5 42.2	11.3	+17 14	30	0.084
27	5 30.9	9.6	+16 44	78	0.090
37	5 21.3		+15 26		0.102

(292) Ludovica 12.6 1910

1912	α		δ		log Δ
Dez. 7	5 56.8	12.6	+39 12	50	0.208
17	5 44.2	13.3	+40 2	26	0.205
27	5 30.9	11.3	+40 28	6	0.211
37	5 19.6		+40 34		0.221

(227) Philosophia 13.5 1908

1912	α		δ		log Δ
Dez. 17	5 49.9	9.7	+34 54	13	0.414
27	5 40.2	9.1	+34 41	23	0.414
37	5 31.1	7.4	+34 18	31	0.418
47	5 23.7		+33 47		0.427

(355) Gabriella 12.4 1905

1912	α		δ		log Δ
Dez. 17	5 56.1	11.2	+31 5	7	0.109
27	5 44.9	10.0	+30 58	19	0.112
37	5 34.9	7.2	+30 39	29	0.123
47	5 27.7		+30 10		0.141

(608) [1906 *VD*] 14.0 1906

1912	α		δ		log Δ
Dez. 15	5 58.2	9.9	+29 59	30	0.293
25	5 48.3	9.3	+29 29	34	0.296
35	5 39.0	7.3	+28 55	39	0.305
45	5 31.7		+28 16		0.319

(115) Thyra 9.4 1908

1912	α		δ		log Δ
Dez. 17	6 9.5	13.0	+38 5	71	0.022
27	5 56.5	11.5	+36 54	90	0.028
37	5 45.0	7.3	+35 24	103	0.044
47	5 37.7		+33 41		0.068

(328) Gudrun 11.6 1911

1912	α		δ		log Δ
Dez. 17	6h 15.3m	12.2	+48° 2′	4	0.256
27	6 3.1	11.6	+47 58	32	0.255
37	5 51.5	9.1	+47 26	53	0.260
47	5 42.4		+46 33		0.271

(205) Martha 13.1 1911

1912	α		δ		log Δ
Dez. 7	6 20.8	8.7	+ 9 54	30	0.257
17	6 12.1	9.2	+ 9 24	18	0.253
27	6 2.9	8.8	+ 9 6	8	0.251
37	5 54.1		+ 9 14		0.248

(506) Marion 11.7 1911

1912	α		δ		log Δ
Dez. 17	6 25.1	11.8	+41 39	43	0.220
27	6 13.3	11.2	+40 56	65	0.217
37	6 2.1	9.4	+39 51	81	0.221
47	5 52.7		+38 30		0.232

(559) Nanon 12.6 1911

1912	α		δ		log Δ
Dez. 17	6 26.2	9.8	+18 28	32	0.275
27	6 16.4	9.6	+19 0	34	0.272
37	6 6.8	8.5	+19 34	34	0.275
47	5 58.3		+20 8		0.285

(145) Adeona 10.5 1909

1912	α		δ		log Δ
Dez. 7	6 36.9	9.2	+27 15	81	0.140
17	6 27.7	10.9	+28 36	73	0.127
27	6 16.8	10.9	+29 49	64	0.123
37	6 5.9		+30 53		0.127

(610) [1906 *VK*] 15.1 1906

1912	α		δ		log Δ
Dez. 23	6 22.9	11.6	+42 11	6	0.259
33	6 11.3	10.1	+42 17	15	0.267
43	6 1.2	7.9	+42 2	32	0.281
53	5 53.3		+41 30		0.300

(504) Cora 12.7 1909

1912	α		δ		log Δ
Dez. 17	6 28.1	10.3	+18 50	49	0.243
27	6 17.8	10.1	+19 39	49	0.246
37	6 7.7	8.6	+20 28	47	0.256
47	5 59.1		+21 15		0.273

(533) Sara 13.8 1910

1912	α		δ		log Δ
Dez. 17	6 28.5	8.6	+14 4	2	0.338
27	6 19.9	8.6	+14 6	9	0.334
37	6 11.3	7.6	+14 15	16	0.337
47	6 3.7		+14 31		0.346

(680) [1909 *GW*] 14.5 1909

1912	α		δ		log Δ
Dez. 27	6h 22.7m	10.1	+42° 40'	10	0.495
37	6 12.6	9.2	+42 50	— 3	0.498
47	6 3.4	7.6	+42 47	16	0.505
57	5 55.8		+42 31		0.516

(442) Eichsfeldia 12.3 1911

1912	α		δ		log Δ
Dez. 27	6 25.3	10.8	+16 55	29	0.159
37	6 14.5	9.6	+17 24	35	0.161
47	6 4.9	7.3	+17 59	35	0.171
57	5 57.6		+18 34		0.188

(701) [1910 *KN*] 13.2 1910

1912	α		δ		log Δ
Dez. 17	6 32.4	9.0	+18 10	13	0.313
27	6 23.4	8.8	+17 57	11	0.310
37	6 14.6	7.9	+17 46	7	0.312
47	6 6.7		+17 39		0.321

(90) Antiope 12.3 1908

1912	α		δ		log Δ
Dez. 9	6 42.3	8.1	+24 17	13	0.415
19	6 34.2	8.7	+24 30	10	0.409
29	6 25.5	8.6	+24 40	7	0.409
39	6 16.9		+24 47		0.414

(166) Rhodope 11.8 1909

1912	α		δ		log Δ
Dez. 7	6 56.9	8.3	+10 41	42	0.153
17	6 48.6	9.4	+11 23	54	0.144
27	6 39.2	9.8	+12 17	66	0.143
37	6 29.4		+13 23		0.151

(228) Agathe 15.2 1908

1912	α		δ		log Δ
Dez. 27	6 44.8	12.7	+25 32	1	0.164
37	6 32.1	11.2	+25 33	— 5	0.172
47	6 20.9	8.6	+25 28	10	0.188
57	6 12.3		+25 18		0.211

(293) Brasilia 12.4 1890

1912	α		δ		log Δ
Dez. 27	6 40.4	11.5	+37 49	55	0.217
37	6 28.9	10.8	+38 44	35	0.218
47	6 18.1	10.4	+39 19	16	0.226
57	6 7.7		+39 35		0.240

(466) Tisiphone 12.8 1907

1912	α		δ		log Δ
Dez. 27	6 45.2	9.7	+29 29	36	0.378
37	6 35.5	9.1	+28 53	41	0.378
47	6 26.4	7.6	+28 12	47	0.383
57	6 18.8		+27 25		0.393

(362) Havnia 10.9 1911

1912	α		δ		log Δ
Dez. 27	6h 47.8m	12.6	+35° 35'	19	0.183
37	6 35.2	10.7	+35 54	0	0.185
47	6 24.5	8.3	+35 54	— 16	0.196
57	6 16.2		+35 38		0.212

(487) Venetia 11.7 1911

1912	α		δ		log Δ
Dez. 27	6 57.1	9.9	+18 36	54	0.201
37	6 47.2	9.5	+19 30	53	0.202
47	6 37.7	7.7	+20 23	52	0.212
57	6 30.0		+21 15		0.227

(139) Juewa 10.4 1909

1912	α		δ		log Δ
Dez. 7	7 3.5	9.0	+39 36	45	0.224
17	6 54.5	11.2	+40 21	24	0.208
27	6 43.3	12.0	+40 45	4	0.198
37	6 31.3		+40 49		0.195

(461) Saskia 13.1 1900

1912	α		δ		log Δ
Dez. 27	7 1.8	8.7	+20 50	16	0.191
37	6 53.1	8.4	+21 6	14	0.190
47	6 44.7	6.9	+21 20	15	0.196
57	6 37.8		+21 35		0.210

(391) Ingeborg 13.5 1908

1912	α		δ		log Δ
Dez. 27	7 7.9	11.4	−13 59	10	0.164
37	6 56.5	10.4	−14 9	— 29	0.171
47	6 46.1	8.5	−13 40	63	0.184
57	6 37.6		−12 37		0.203

(607) [1906 *VC*] 12.7 1910

1912	α		δ		log Δ
Dez. 35	7 2.4	10.2	+23 9	17	0.283
45	6 52.2	8.9	+22 52	20	0.284
55	6 43.3	7.0	+22 32	22	0.292
65	6 36.3		+22 10		0.306

(678) [1909 *FS*] 11.7 1911

1912	α		δ		log Δ
Dez. 32	7 8.0	11.1	+22 17	17	0.100
42	6 56.9	9.6	+22 0	18	0.109
52	6 47.3	7.0	+21 42	20	0.126
62	6 40.3		+21 22		0.150

(386) Siegena 10.3 1911

1912	α		δ		log Δ
Dez. 37	7 11.1	8.4	− 4 30	62	0.265
47	7 2.7	7.4	− 3 28	82	0.269
57	6 55.3	5.6	− 2 6	94	0.280
67	6 49.7		− 0 32		0.296

1912	α		δ		log Δ
	(702) [1910 *KQ*]		12.1	1910	
Dez. 27	7ʰ 17ᵐ.3		+25° 56′		0.357
		9.2		33	
37	7 8.1		+25 23		0.354
		9.9		37	
47	6 58.2		+24 46		0.357
		9.8		41	
57	6 48.4		+24 5		0.365
	(18) Melpomene		9.2	1910	
Dez. 32	7 28.8		+ 9 24		0.202
		10.8		64	
42	7 18.0		+10 28		0.228
		10.2		76	
52	7 7.8		+11 44		0.262
		8.2		80	
62	6 59.6		+13 4		0.306
	(265) Anna		14.3	1902	
Dez. 37	7 47.1		+52 23		0.237
		18.4		26	
47	7 28.7		+51 57		0.231
		17.3		66	
57	7 11.4		+50 51		0.232
		14.1		100	
67	6 57.3		+49 11		0.239

Anm. Von (**433**) Eros ist S. (88) eine genauere Ephemeride gegeben.

(95) ARETHUSA 1912.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Febr. 11	9 57 36.29	−46.84	−7 7 9.0	+2 54.0	0.359409	19 0
12	9 56 49.45	47.02	7 4 15.0	3 4.0	0.359104	19 0
13	9 56 2.43	47.14	7 1 11.0	3 13.9	0.358854	18 59
14	9 55 15.29	47.22	6 57 57.1	3 23.6	0.358658	18 59
15	9 54 28.07	−47.25	6 54 33.5	+3 33.1	0.358515	18 58
☍ 16	9 53 40.82	47.23	−6 51 0.4	3 42.3	0.358427	18 58
17	9 52 53.59	47.16	6 47 18.1	3 51.2	0.358395	18 58
18	9 52 6.43	47.03	6 43 26.9	4 0.0	0.358417	18 58
19	9 51 19.40	46.87	6 39 26.9	4 8.5	0.358493	18 58
20	9 50 32.53	−46.65	6 35 18.4	+4 16.7	0.358625	18 59
21	9 49 45.88	46.38	−6 31 1.7	4 24.4	0.358812	18 59
22	9 48 59.50	46.07	6 26 37.3	4 32.0	0.359054	19 0
23	9 48 13.43	45.70	6 22 5.3	4 39.3	0.359349	19 0
24	9 47 27.73	45.29	6 17 26.0	4 46.2	0.359699	19 1
25	9 46 42.44	−44.85	6 12 39.8	+4 52.8	0.360104	19 2
26	9 45 57.59	44.36	−6 7 47.0	4 59.1	0.360562	19 4
27	9 45 13.23	43.83	6 2 47.9	5 5.0	0.361074	19 6
28	9 44 29.40	43.25	5 57 42.9	5 10.7	0.361639	19 7
29	9 43 46.15	42.65	5 52 32.2	5 16.0	0.362256	19 8
März 1	9 43 3.50	−42.00	5 47 16.2	+5 21.0	0.362925	19 10
2	9 42 21.50	41.30	−5 41 55.2	5 25.6	0.363646	19 12
3	9 41 40.20	40.58	5 36 29.6	5 30.0	0.364417	19 14
4	9 40 59.62	39.82	5 30 59.6	5 34.0	0.365238	19 16
5	9 40 19.80	39.03	5 25 25.6	5 37.8	0.366108	19 18
6	9 39 40.77	−38.20	5 19 47.8	+5 41.1	0.367028	19 21
7	9 39 2.57	37.36	−5 14 6.7	5 44.2	0.367996	19 24
8	9 38 25.21	36.47	5 8 22.5	5 46.9	0.369022	19 26
9	9 37 48.74	35.55	5 2 35.6	5 49.3	0.370078	19 29
10	9 37 13.19	34.60	4 56 46.3	5 51.4	0.371182	19 32
11	9 36 38.59	−33.61	4 50 54.9	+5 53.2	0.372334	19 35
12	9 36 4.98	32.62	−4 45 1.7	5 54.6	0.373531	19 38
13	9 35 32.36	31.59	4 39 7.1	5 55.7	0.374771	19 41
14	9 35 0.77	30.54	4 33 11.4	5 56.4	0.376053	19 44
15	9 34 30.23	29.45	4 27 15.0	5 56.8	0.377377	19 49
16	9 34 0.78	−28.36	4 21 18.2	+5 57.0	0.378741	19 52
17	9 33 32.42	27.25	−4 15 21.2	5 56.8	0.380145	19 56
18	9 33 5.17		4 9 24.4		0.381587	20 0

Opp. in AR. Febr. 16 Gröſse = 11.6

P. Neugebauer.

(57) MNEMOSYNE 1912.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Febr. 21	10 29 52.34	−42.15	−6 15 10.5	+6 24.5	0.357922	18 55
22	10 29 10.19	42.23	6 8 46.0	6 32.6	0.357638	18 55
23	10 28 27.96	42.28	6 2 13.4	6 40.4	0.357410	18 55
24	10 27 45.68	42.28	5 55 33.0	6 47.8	0.357238	18 55
25	10 27 3.40	−42.24	5 48 45.2	+6 55.0	0.357121	18 54
☍ 26	10 26 21.16	42.16	−5 41 50.2	7 1.9	0.357060	18 54
27	10 25 39.00	42.04	5 34 48.3	7 8.4	0.357055	18 54
28	10 24 56.96	41.86	5 27 39.9	7 14.6	0.357107	18 54
29	10 24 15.10	41.65	5 20 25.3	7 20.5	0.357215	18 54
März 1	10 23 33.45	−41.40	5 13 4.8	+7 26.0	0.357379	18 55
2	10 22 52.05	41.11	−5 5 38.8	7 31.3	0.357600	18 56
3	10 22 10.94	40.78	4 58 7.5	7 36.1	0.357876	18 57
4	10 21 30.16	40.39	4 50 31.4	7 40.6	0.358207	18 57
5	10 20 49.77	39.97	4 42 50.8	7 44.8	0.358592	18 58
6	10 20 9.80	−39.51	4 35 6.0	+7 48.5	0.359032	19 0
7	10 19 30.29	39.01	−4 27 17.5	7 51.8	0.359528	19 1
8	10 18 51.28	38.48	4 19 25.7	7 54.8	0.360079	19 2
9	10 18 12.80	37.89	4 11 30.9	7 57.4	0.360683	19 4
10	10 17 34.91	37.27	4 3 33.5	7 59.6	0.361342	19 6
11	10 16 57.64	−36.61	3 55 33.9	+8 1.5	0.362054	19 7
12	10 16 21.03	35.92	−3 47 32.4	8 2.9	0.362817	19 9
13	10 15 45.11	35.19	3 39 29.5	8 4.0	0.363633	19 12
14	10 15 9.92	34.42	3 31 25.5	8 4.7	0.364500	19 14
15	10 14 35.50	33.62	3 23 20.8	8 5.0	0.365417	19 16
16	10 14 1.88	−32.79	3 15 15.8	+8 5.0	0.366384	19 19
17	10 13 29.09	31.94	−3 7 10.8	8 4.6	0.367400	19 22
18	10 12 57.15	31.04	2 59 6.2	8 3.7	0.368464	19 24
19	10 12 26.11	30.12	2 51 2.5	8 2.6	0.369576	19 27
20	10 11 55.99	29.19	2 42 59.9	8 1.1	0.370734	19 30
21	10 11 26.80	−28.23	2 34 58.8	+7 59.2	0.371937	19 34
22	10 10 58.57	27.24	−2 26 59.6	7 57.0	0.373184	19 37
23	10 10 31.33	26.23	2 19 2.6	7 54.5	0.374475	19 41
24	10 10 5.10	25.20	2 11 8.1	7 51.6	0.375809	19 44
25	10 9 39.90	24.15	2 3 16.5	7 48.5	0.377185	19 48
26	10 9 15.75	−23.07	1 55 28.0	+7 45.0	0.378600	19 52
27	10 8 52.68	21.97	−1 47 43.0	7 41.2	0.380054	19 56
28	10 8 30.71		1 40 1.8		0.381545	20 0

Opp. in AR. Febr. 26 Gröſse = 10.8

P. Neugebauer.

(134) SOPHROSYNE 1912.

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Febr. 21	10h 51m 50s.23	−63s.16	+10° 35′ 18″.2	+1′ 22″.8	0.186932	12m 47s
22	10 50 47.07	63.55	10 36 41.0	1 21.9	0.186718	12 46
23	10 49 43.52	63.86	10 38 2.9	1 20.7	0.186584	12 46
24	10 48 39.66	64.11	10 39 23.6	1 19.2	0.186532	12 46
25	10 47 35.55	−64.27	10 40 42.8	+1 17.4	0.186562	12 46
26	10 46 31.28	64.34	+10 42 0.2	1 15.2	0.186672	12 46
27	10 45 26.94	64.34	10 43 15.4	1 12.7	0.186862	12 47
☍ 28	10 44 22.60	64.27	10 44 28.1	1 10.1	0.187134	12 47
29	10 43 18.33	64.13	10 45 38.2	1 7.2	0.187487	12 48
März 1	10 42 14.20	−63.91	10 46 45.4	+1 4.0	0.187920	12 48
2	10 41 10.29	63.62	+10 47 49.4	1 0.6	0.188432	12 49
3	10 40 6.67	63.24	10 48 50.0	0 57.0	0.189024	12 51
4	10 39 3.43	62.80	10 49 47.0	0 53.0	0.189695	12 52
5	10 38 0.63	62.29	10 50 40.0	0 48.8	0.190443	12 53
6	10 36 58.34	−61.71	10 51 28.8	+0 44.6	0.191269	12 54
7	10 35 56.63	61.06	+10 52 13.4	0 40.1	0.192171	12 56
8	10 34 55.57	60.34	10 52 53.5	0 35.3	0.193148	12 58
9	10 33 55.23	59.55	10 53 28.8	0 30.3	0.194200	13 0
10	10 32 55.68	58.70	10 53 59.1	0 25.1	0.195326	13 2
11	10 31 56.98	−57.80	10 54 24.2	+0 19.9	0.196526	13 4
12	10 30 59.18	56.82	+10 54 44.1	0 14.5	0.197799	13 6
13	10 30 2.36	55.78	10 54 58.6	0 9.0	0.199141	13 9
14	10 29 6.58	54.69	10 55 7.6	+0 3.3	0.200552	13 11
15	10 28 11.89	53.55	10 55 10.9	−0 2.4	0.202030	13 14
16	10 27 18.34	−52.35	10 55 8.3	−0 8.6	0.203572	13 17
17	10 26 25.99	51.10	+10 54 59.7	0 14.6	0.205178	13 20
18	10 25 34.89	49.80	10 54 45.1	0 20.9	0.206847	13 23
19	10 24 45.09	48.46	10 54 24.2	0 27.2	0.208577	13 26
20	10 23 56.63	47.07	10 53 57.0	0 33.6	0.210365	13 29
21	10 23 9.56	−45.63	10 53 23.4	−0 40.1	0.212210	13 33
22	10 22 23.93	44.15	+10 52 43.3	0 46.6	0.214112	13 36
23	10 21 39.78	42.63	10 51 56.7	0 53.2	0.216068	13 40
24	10 20 57.15	41.08	10 51 3.5	0 59.9	0.218076	13 44
25	10 20 16.07	39.51	10 50 3.6	1 6.6	0.220134	13 48
26	10 19 36.56	−37.90	10 48 57.0	−1 13.3	0.222240	13 52
27	10 18 58.66	36.27	+10 47 43.7	1 20.1	0.224392	13 54
28	10 18 22.39		10 46 23.6		0.226587	14 0

Opp. in AR. Febr. 28 Größe = 11.0

P. Neugebauer.

(247) EUKRATE 1912.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Febr. 13	11h 18m 49.29s	−69.54s	+23° 48′ 23.5″	+0′ 47.2″	0.241531	14m 29s
14	11 17 39.75	70.60	23 49 10.7	0 39.9	0.241080	14 28
15	11 16 29.15	71.60	23 49 50.6	0 32.4	0.240697	14 28
16	11 15 17.55	72.53	23 50 23.0	0 24.5	0.240384	14 27
17	11 14 5.02	−73.38	23 50 47.5	+0 16.1	0.240140	14 27
18	11 12 51.64	74.14	+23 51 3.6	+0 7.4	0.239968	14 26
19	11 11 37.50	74.84	23 51 11.0	−0 1.8	0.239868	14 26
20	11 10 22.66	75.44	23 51 9.2	0 11.1	0.239839	14 26
21	11 9 7.22	75.97	23 50 58.1	0 20.8	0.239884	14 26
22	11 7 51.25	−76.40	23 50 37.3	−0 31.0	0.240001	14 26
23	11 6 34.85	76.75	+23 50 6.3	0 41.2	0.240192	14 27
24	11 5 18.10	77.02	23 49 25.1	0 51.8	0.240456	14 27
25	11 4 1.08	77.21	23 48 33.3	1 2.6	0.240793	14 28
26	11 2 43.87	77.31	23 47 30.7	1 13.5	0.241203	14 29
27	11 1 26.56	−77.32	23 46 17.2	−1 24.6	0.241687	14 30
28	11 0 9.24	77.26	+23 44 52.6	1 35.8	0.242244	14 31
29	10 58 51.98	77.12	23 43 16.8	1 47.2	0.242873	14 32
März 1	10 57 34.86	76.90	23 41 29.6	1 58.6	0.243574	14 33
2	10 56 17.96	76.59	23 39 31.0	2 10.1	0.244347	14 35
☍ 3	10 55 1.37	−76.22	23 37 20.9	−2 21.6	0.245191	14 37
4	10 53 45.15	75.76	+23 34 59.3	2 33.1	0.246105	14 38
5	10 52 29.39	75.24	23 32 26.2	2 44.7	0.247089	14 40
6	10 51 14.15	74.64	23 29 41.5	2 56.2	0.248143	14 43
7	10 49 59.51	73.96	23 26 45.3	3 7.8	0.249265	14 45
8	10 48 45.55	−73.21	23 23 37.5	−3 19.2	0.250454	14 47
9	10 47 32.34	72.40	+23 20 18.3	3 30.6	0.251710	14 50
10	10 46 19.94	71.51	23 16 47.7	3 42.0	0.253032	14 53
11	10 45 8.43	70.56	23 13 5.7	3 53.3	0.254418	14 55
12	10 43 57.87	69.54	23 9 12.4	4 4.4	0.255868	14 58
13	10 42 48.33	−68.46	23 5 8.0	−4 15.5	0.257380	15 2
14	10 41 39.87	67.32	+23 0 52.5	4 26.3	0.258954	15 5
15	10 40 32.55	66.13	22 56 26.2	4 37.1	0.260587	15 8
16	10 39 26.42	64.87	22 51 49.1	4 47.7	0.262279	15 12
17	10 38 21.55	63.57	22 47 1.4	4 58.1	0.264027	15 15
18	10 37 17.98	−62.22	22 42 3.3	−5 8.4	0.265831	15 19
19	10 36 15.76	60.81	+22 36 54.9	5 18.4	0.267689	15 23
20	10 35 14.95		22 31 36.5		0.269599	15 27

Opp. in AR. März 3 Gröfse = 11.0

W. Luther.

(35) LEUKOTHEA 1912.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Febr. 25	11 38 0.16	−46.03	+4 40 18.4	+1 4.0	0.166117	12 11
26	11 37 14.13	47.05	4 41 22.4	1 7.4	0.164567	12 8
27	11 36 27.08	48.01	4 42 29.8	1 10.6	0.163090	12 6
28	11 35 39.07	48.91	4 43 40.4	1 13.4	0.161686	12 3
29	11 34 50.16	−49.76	4 44 53.8	+1 16.0	0.160356	12 1
März 1	11 34 0.40	50.53	+4 46 9.8	1 18.3	0.159100	11 59
2	11 33 9.87	51.26	4 47 28.1	1 20.4	0.157920	11 57
3	11 32 18.61	51.93	4 48 48.5	1 22.1	0.156816	11 56
4	11 31 26.68	52.52	4 50 10.6	1 23.4	0.155790	11 54
5	11 30 34.16	−53.05	4 51 34.0	+1 24.4	0.154842	11 52
6	11 29 41.11	53.51	+4 52 58.4	1 25.0	0.153974	11 51
7	11 28 47.60	53.91	4 54 23.4	1 25.4	0.153188	11 49
8	11 27 53.69	54.22	4 55 48.8	1 25.4	0.152482	11 48
9	11 26 59.47	54.48	4 57 14.2	1 25.2	0.151858	11 47
10	11 26 4.99	−54.66	4 58 39.4	+1 24.5	0.151316	11 46
☍ 11	11 25 10.33	54.75	+5 0 3.9	1 23.5	0.150856	11 46
12	11 24 15.58	54.78	5 1 27.4	1 22.2	0.150479	11 45
13	11 23 20.80	54.73	5 2 49.6	1 20.4	0.150184	11 45
14	11 22 26.07	54.59	5 4 10.0	1 18.4	0.149972	11 44
15	11 21 31.48	−54.38	5 5 28.4	+1 16.1	0.149844	11 44
16	11 20 37.10	54.10	+5 6 44.5	1 13.4	0.149800	11 44
17	11 19 43.00	53.75	5 7 57.9	1 10.3	0.149838	11 44
18	11 18 49.25	53.31	5 9 8.2	1 6.9	0.149957	11 44
19	11 17 55.94	52.80	5 10 15.1	1 3.3	0.150157	11 44
20	11 17 3.14	−52.22	5 11 18.4	+0 59.3	0.150439	11 45
21	11 16 10.92	51.56	+5 12 17.7	0 55.0	0.150801	11 45
22	11 15 19.36	50.81	5 13 12.7	0 50.3	0.151243	11 46
23	11 14 28.55	50.02	5 14 3.0	0 45.5	0.151764	11 47
24	11 13 38.53	49.16	5 14 48.5	0 40.4	0.152363	11 48
25	11 12 49.37	−48.25	5 15 28.9	+0 35.0	0.153038	11 49
26	11 12 1.12	47.24	+5 16 3.9	0 29.3	0.153787	11 50
27	11 11 13.88	46.21	5 16 33.2	0 23.5	0.154609	11 52
28	11 10 27.67	45.12	5 16 56.7	0 17.6	0.155503	11 53
29	11 9 42.55	43.97	5 17 14.3	0 11.5	0.156467	11 55
30	11 8 58.58	−42.77	5 17 25.8	+0 5.1	0.157500	11 56
31	11 8 15.81	41.52	+5 17 30.9	−0 1.5	0.158600	11 58
April 1	11 7 34.29		5 17 29.4		0.159767	12 0

Opp. in AR. März 11 Gröfse = 11.0

P. Neugebauer.

(68) LETO 1912.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
April 17	14ʰ 8ᵐ 28ˢ.76	−52ˢ.64	−10° 5′ 25″.4	+2′ 39″.8	0.319999	17ᵐ 21ˢ
18	14 7 36.12	52.92	10 2 45.6	2 40.2	0.319379	17 20
19	14 6 43.20	53.17	10 0 5.4	2 40.4	0.318819	17 19
20	14 5 50.03	53.36	9 57 25.0	2 40.4	0.318319	17 17
21	14 4 56.67	−53.50	9 54 44.6	+2 40.1	0.317881	17 16
22	14 4 3.17	53.58	− 9 52 4.5	2 39.6	0.317503	17 16
☍ 23	14 3 9.59	53.62	9 49 24.9	2 39.0	0.317187	17 15
24	14 2 15.97	53.60	9 46 45.9	2 38.0	0.316932	17 14
25	14 1 22.37	53.54	9 44 7.9	2 36.8	0.316738	17 14
26	14 0 28.83	−53.41	9 41 31.1	+2 35.5	0.316604	17 13
27	13 59 35.42	53.25	− 9 38 55.6	2 33.8	0.316532	17 13
28	13 58 42.17	53.03	9 36 21.8	2 32.0	0.316520	17 13
29	13 57 49.14	52.77	9 33 49.8	2 30.0	0.316569	17 13
30	13 56 56.37	52.45	9 31 19.8	2 27.7	0.316677	17 14
Mai 1	13 56 3.92	−52.08	9 28 52.1	+2 25.1	0.316845	17 14
2	13 55 11.84	51.66	− 9 26 27.0	2 22.4	0.317072	17 15
3	13 54 20.18	51.20	9 24 4.6	2 19.6	0.317357	17 15
4	13 53 28.98	50.69	9 21 45.0	2 16.5	0.317700	17 16
5	13 52 38.29	50.14	9 19 28.5	2 13.2	0.318101	17 17
6	13 51 48.15	−49.54	9 17 15.3	+2 9.7	0.318559	17 18
7	13 50 58.61	48.90	− 9 15 5.9	2 6.0	0.319074	17 19
8	13 50 9.71	48.21	9 12 59.6	2 2.1	0.319646	17 21
9	13 49 21.50	47.48	9 10 57.5	1 58.0	0.320272	17 22
10	13 48 34.02	46.71	9 8 59.5	1 53.7	0.320953	17 24
11	13 47 47.31	−45.91	9 7 5.8	+1 49.2	0.321687	17 26
12	13 47 1.40	45.06	− 9 5 16.6	1 44.6	0.322473	17 28
13	13 46 16.34	44.16	9 3 32.0	1 39.7	0.323312	17 29
14	13 45 32.18	43.24	9 1 52.3	1 34.6	0.324202	17 32
15	13 44 48.94	42.28	9 0 17.7	1 29.4	0.325141	17 34
16	13 44 6.66	−41.27	8 58 48.3	+1 24.2	0.326129	17 36
17	13 43 25.39	40.23	− 8 57 24.1	1 18.6	0.327164	17 39
18	13 42 45.16	39.16	8 56 5.5	1 13.0	0.328246	17 41
19	13 42 6.00	38.08	8 54 52.5	1 7.3	0.329374	17 44
20	13 41 27.92	36.97	8 53 45.2	1 1.3	0.330546	17 47
21	13 40 50.95	−35.84	8 52 43.9	+0 55.2	0.331760	17 50
22	13 40 15.11	34.67	− 8 51 48.7	0 49.0	0.333016	17 53
23	13 39 40.44		8 50 59.7		0.334313	17 56

Opp. in AR. April 23 Gröfse = 11.0

P. Neugebauer.

(82) ALKMENE 1912.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
April 14	15 32 44.62	−40.10	−20 31 47.3	+0 59.6	0.238315	14 23
15	15 32 4.52	41.46	20 30 47.7	1 5.2	0.237149	14 21
16	15 31 23.06	42.76	20 29 42.5	1 10.8	0.236038	14 18
17	15 30 40.30	44.03	20 28 31.7	1 16.3	0.234981	14 16
18	15 29 56.27	−45.23	20 27 15.4	+1 21.6	0.233982	14 14
19	15 29 11.04	46.39	−20 25 53.8	1 27.0	0.233041	14 12
20	15 28 24.65	47.49	20 24 26.8	1 32.2	0.232160	14 11
21	15 27 37.16	48.54	20 22 54.6	1 37.3	0.231339	14 9
22	15 26 48.62	49.53	20 21 17.3	1 42.4	0.230579	14 8
23	15 25 59.09	−50.46	20 19 34.9	+1 47.3	0.229883	14 6
24	15 25 8.63	51.33	−20 17 47.6	1 52.1	0.229250	14 5
25	15 24 17.30	52.15	20 15 55.5	1 56.8	0.228681	14 4
26	15 23 25.15	52.89	20 13 58.7	2 1.3	0.228178	14 3
27	15 22 32.26	53.59	20 11 57.4	2 5.8	0.227740	14 2
28	15 21 38.67	−54.21	20 9 51.6	+2 10.0	0.227370	14 1
29	15 20 44.46	54.79	−20 7 41.6	2 14.2	0.227066	14 1
30	15 19 49.67	55.29	20 5 27.4	2 18.1	0.226831	14 0
Mai 1	15 18 54.38	55.74	20 3 9.3	2 22.0	0.226664	14 0
2	15 17 58.64	56.12	20 0 47.3	2 25.6	0.226566	14 0
3	15 17 2.52	−56.43	19 58 21.7	+2 29.1	0.226538	14 0
4	15 16 6.09	56.69	−19 55 52.6	2 32.4	0.226579	14 0
5	15 15 9.40	56.88	19 53 20.2	2 35.4	0.226690	14 0
6	15 14 12.52	57.00	19 50 44.8	2 38.4	0.226872	14 0
7	15 13 15.52	57.05	19 48 6.4	2 40.9	0.227124	14 1
8	15 12 18.47	−57.04	19 45 25.5	+2 43.4	0.227446	14 1
9	15 11 21.43	56.96	−19 42 42.1	2 45.5	0.227839	14 2
☍ 10	15 10 24.47	56.82	19 39 56.6	2 47.5	0.228303	14 3
11	15 9 27.65	56.60	19 37 9.1	2 49.1	0.228837	14 4
12	15 8 31.05	56.33	19 34 20.0	2 50.6	0.229441	14 5
13	15 7 34.72	−55.98	19 31 29.4	+2 51.7	0.230115	14 7
14	15 6 38.74	55.57	−19 28 37.7	2 52.7	0.230859	14 8
15	15 5 43.17	55.09	19 25 45.0	2 53.2	0.231671	14 10
16	15 4 48.08	54.55	19 22 51.8	2 53.6	0.232553	14 11
17	15 3 53.53	53.96	19 19 58.2	2 53.5	0.233501	14 13
18	15 2 59.57	−53.28	19 17 4.7	+2 53.3	0.234517	14 15
19	15 2 6.29	52.57	−19 14 11.4	2 52.6	0.235599	14 17
20	15 1 13.72		19 11 18.8		0.236747	14 20

Opp. in AR. Mai 10. Größe = 11.1

W. Luther.

f

(84) KLIO 1912.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Juni 20	18ʰ 20ᵐ 8ˢ.97	−72ˢ.50	−38° 35′ 12″.2	+1′ 24″.7	0.024932	8ᵐ 48ˢ
21	18 18 56.47	73.18	38 33 47.5	1 40.2	0.023501	8 46
22	18 17 43.29	73.75	38 32 7.3	1 56.3	0.022158	8 45
23	18 16 29.54	74.19	38 30 11.0	2 12.5	0.020904	8 43
24	18 15 15.35	−74.50	38 27 58.5	+2 28.8	0.019740	8 42
☍ 25	18 14 0.85	74.68	−38 25 29.7	2 45.4	0.018666	8 40
26	18 12 46.17	74.74	38 22 44.3	3 2.0	0.017683	8 39
27	18 11 31.43	74.68	38 19 42.3	3 18.6	0.016791	8 38
28	18 10 16.75	74.49	38 16 23.7	3 35.1	0.015991	8 37
29	18 9 2.26	−74.17	38 12 48.6	+3 51.6	0.015283	8 37
30	18 7 48.09	73.72	−38 8 57.0	4 7.9	0.014668	8 36
Juli 1	18 6 34.37	73.16	38 4 49.1	4 24.0	0.014145	8 35
2	18 5 21.21	72.47	38 0 25.1	4 39.9	0.013715	8 34
3	18 4 8.74	71.65	37 55 45.2	4 55.5	0.013377	8 34
4	18 2 57.09	−70.71	37 50 49.7	+5 10.8	0.013131	8 34
5	18 1 46.38	69.65	−37 45 38.9	5 25.6	0.012977	8 34
6	18 0 36.73	68.47	37 40 13.3	5 40.2	0.012915	8 34
7	17 59 28.26	67.17	37 34 33.1	5 54.2	0.012943	8 34
8	17 58 21.09	65.76	37 28 38.9	6 7.8	0.013062	8 34
9	17 57 15.33	−64.24	37 22 31.1	+6 21.0	0.013272	8 34
10	17 56 11.09	62.60	−37 16 10.1	6 33.5	0.013571	8 34
11	17 55 8.49	60.85	37 9 36.6	6 45.7	0.013959	8 35
12	17 54 7.64	59.02	37 2 50.9	6 57.2	0.014433	8 35
13	17 53 8.62	57.07	36 55 53.7	7 8.2	0.014992	8 36
14	17 52 11.55	−55.04	36 48 45.5	+7 18.8	0.015635	8 37
15	17 51 16.51	52.92	−36 41 26.7	7 28.6	0.016361	8 38
16	17 50 23.59	50.72	36 33 58.1	7 37.8	0.017168	8 39
17	17 49 32.87	48.44	36 26 20.3	7 46.6	0.018056	8 40
18	17 48 44.43	46.10	36 18 33.7	7 54.6	0.019020	8 41
19	17 47 58.33	−43.71	36 10 39.1	+8 2.1	0.020060	8 42
20	17 47 14.62	41.26	−36 2 37.0	8 9.0	0.021173	8 43
21	17 46 33.36	38.75	35 54 28.0	8 15.3	0.022360	8 45
22	17 45 54.61	36.21	35 46 12.7	8 21.1	0.023615	8 46
23	17 45 18.40	33.65	35 37 51.6	8 26.4	0.024938	8 48
24	17 44 44.75	−31.07	35 29 25.2	+8 31.2	0.026320	8 50
25	17 44 13.68	28.47	−35 20 54.0	8 35.4	0.027758	8 51
26	17 43 45.21		35 12 18.6		0.029250	8 53

Opp. in AR. Juni 25 Größe = 10.4

P. Neugebauer.

(113) AMALTHEA 1912.

12h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	s	° ′ ″	′ ″		m s
Juni 25	19 53 25.66	−47.61	−18 27 13.3	−4 8.3	0.139354	11 27
26	19 52 38.05	48.86	18 31 21.6	4 13.0	0.138206	11 25
27	19 51 49.19	50.07	18 35 34.6	4 17.4	0.137127	11 24
28	19 50 59.12	51.22	18 39 52.0	4 21.6	0.136119	11 22
29	19 50 7.90	−52.32	18 44 13.6	−4 25.6	0.135183	11 21
30	19 49 15.58	53.35	−18 48 39.2	4 29.1	0.134320	11 19
Juli 1	19 48 22.23	54.33	18 53 8.3	4 32.6	0.133533	11 18
2	19 47 27.90	55.24	18 57 40.9	4 35.6	0.132821	11 17
3	19 46 32.66	56.08	19 2 16.5	4 38.5	0.132186	11 16
4	19 45 36.58	−56.86	19 6 55.0	−4 41.0	0.131630	11 15
5	19 44 39.72	57.56	−19 11 36.0	4 43.2	0.131152	11 14
6	19 43 42.16	58.19	19 16 19.2	4 45.1	0.130754	11 14
7	19 42 43.97	58.76	19 21 4.3	4 46.8	0.130437	11 13
8	19 41 45.21	59.23	19 25 51.1	4 48.1	0.130202	11 13
9	19 40 45.98	−59.63	19 30 39.2	4 49.2	0.130048	11 12
10	19 39 46.35	59.95	−19 35 28.4	4 50.0	0.129977	11 12
11	19 38 46.40	60.19	19 40 18.4	4 50.4	0.129990	11 12
12	19 37 46.21	60.35	19 45 8.8	4 50.5	0.130086	11 13
13	19 36 45.86	60.41	19 49 59.3	4 50.4	0.130266	11 13
☍ 14	19 35 45.45	−60.38	19 54 49.7	−4 50.0	0.130530	11 13
15	19 34 45.07	60.27	−19 59 39.7	4 49.2	0.130877	11 14
16	19 33 44.80	60.08	20 4 28.9	4 48.2	0.131308	11 14
17	19 32 44.72	59.80	20 9 17.1	4 46.9	0.131821	11 15
18	19 31 44.92	59.44	20 14 4.0	4 45.4	0.132418	11 16
19	19 30 45.48	−59.00	20 18 49.4	4 43.5	0.133096	11 17
20	19 29 46.48	58.48	−20 23 32.9	4 41.5	0.133855	11 18
21	19 28 48.00	57.88	20 28 14.4	4 39.3	0.134695	11 20
22	19 27 50.12	57.21	20 32 53.7	4 36.8	0.135614	11 21
23	19 26 52.91	56.47	20 37 30.5	4 34.0	0.136612	11 23
24	19 25 56.44	−55.66	20 42 4.5	−4 31.2	0.137686	11 24
25	19 25 0.78	54.77	−20 46 35.7	4 28.1	0.138837	11 26
26	19 24 6.01	53.83	20 51 3.8	4 24.9	0.140063	11 28
27	19 23 12.18	52.82	20 55 28.7	4 21.5	0.141363	11 30
28	19 22 19.36	51.75	20 59 50.2	4 18.0	0.142735	11 32
29	19 21 27.61	−50.62	21 4 8.2	−4 14.3	0.144178	11 35
30	19 20 36.99	49.44	−21 8 22.5	4 10.5	0.145691	11 37
31	19 19 47.55		21 12 33.0		0.147272	11 40

Opp. in AR. Juli 14 Gröfse = 10.9

W. Luther.

(71) NIOBE 1912.

12ʰ Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
Okt. 4	0ʰ 58ᵐ 13ˢ.02	−64ˢ.85	+39° 28′ 23″.2	−0′ 46″.1	0.369823	19ᵐ 28ˢ
5	0 57 8.17	65.07	39 27 37.1	1 2.9	0.369301	19 27
6	0 56 3.10	65.22	39 26 34.2	1 19.8	0.368819	19 25
7	0 54 57.88	65.30	39 25 14.4	1 36.6	0.368377	19 24
☍ 8	0 53 52.58	−65.32	39 23 37.8	−1 53.1	0.367979	19 23
9	0 52 47.26	65.29	+39 21 44.7	2 9.5	0.367626	19 22
10	0 51 41.97	65.20	39 19 35.2	2 25.8	0.367319	19 21
11	0 50 36.77	65.02	39 17 9.4	2 41.9	0.367059	19 20
12	0 49 31.75	64.78	39 14 27.5	2 57.8	0.366848	19 20
13	0 48 26.97	−64.47	39 11 29.7	−3 13.2	0.366688	19 20
14	0 47 22.50	64.10	+39 8 16.5	3 28.4	0.366577	19 20
15	0 46 18.40	63.65	39 4 48.1	3 43.4	0.366515	19 20
16	0 45 14.75	63.13	39 1 4.7	3 58.0	0.366503	19 19
17	0 44 11.62	62.55	38 57 6.7	4 12.2	0.366538	19 19
18	0 43 9.07	−61.92	38 52 54.5	−4 26.0	0.366621	19 20
19	0 42 7.15	61.22	+38 48 28.5	4 39.6	0.366752	19 20
20	0 41 5.93	60.46	38 43 48.9	4 52.6	0.366931	19 20
21	0 40 5.47	59.64	38 38 56.3	5 5.4	0.367158	19 21
22	0 39 5.83	58.78	38 33 50.9	5 17.8	0.367433	19 22
23	0 38 7.05	−57.85	38 28 33.1	−5 29.9	0.367755	19 23
24	0 37 9.20	56.88	+38 23 3.2	5 41.6	0.368126	19 24
25	0 36 12.32	55.86	38 17 21.6	5 52.8	0.368544	19 25
26	0 35 16.46	54.78	38 11 28.8	6 3.6	0.369010	19 26
27	0 34 21.68	53.67	38 5 25.2	6 14.0	0.369524	19 28
28	0 33 28.01	−52.50	37 59 11.2	−6 23.8	0.370084	19 29
29	0 32 35.51	51.29	+37 52 47.4	6 33.4	0.370690	19 31
30	0 31 44.22	50.05	37 46 14.0	6 42.4	0.371342	19 32
31	0 30 54.17	48.77	37 39 31.6	6 50.9	0.372039	19 34
Nov. 1	0 30 5.40	47.45	37 32 40.7	6 59.1	0.372780	19 36
2	0 29 17.95	−46.10	37 25 41.6	−7 6.6	0.373563	19 38
3	0 28 31.85	44.70	+37 18 35.0	7 13.6	0.374389	19 40
4	0 27 47.15	43.27	37 11 21.4	7 20.1	0.375258	19 43
5	0 27 3.88	41.80	37 4 1.3	7 25.9	0.376170	19 45
6	0 26 22.08	40.30	36 56 35.4	7 31.2	0.377125	19 48
7	0 25 41.78	−38.80	36 49 4.2	−7 35.9	0.378121	19 51
8	0 25 2.98	37.26	+36 41 28.3	7 40.0	0.379157	19 53
9	0 24 25.72		36 33 48.3		0.380234	19 56

Opp. in AR. Okt. 8 Größe = 11.7

P. Neugebauer.

(28) BELLONA 1912.

12ʰ Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
		h m s	s	° ′ ″	′ ″		m s
Okt.	10	1 28 33.66	−47.22	−3 19 41.3	−6 57.0	0.266618	15 21
	11	1 27 46.44	47.48	3 26 38.3	6 51.7	0.266270	15 20
	12	1 26 58.96	47.70	3 33 30.0	6 45.8	0.265989	15 20
	13	1 26 11.26	47.85	3 40 15.8	6 39.6	0.265775	15 19
	14	1 25 23.41	−47.95	3 46 55.4	−6 33.0	0.265628	15 19
	15	1 24 35.46	47.98	−3 53 28.4	6 25.8	0.265548	15 19
	☍ 16	1 23 47.48	47.96	3 59 54.2	6 18.3	0.265534	15 19
	17	1 22 59.52	47.87	4 6 12.5	6 10.5	0.265587	15 19
	18	1 22 11.65	47.74	4 12 23.0	6 2.3	0.265706	15 19
	19	1 21 23.91	−47.55	4 18 25.3	−5 53.8	0.265890	15 20
	20	1 20 36.36	47.29	−4 24 19.1	5 44.9	0.266139	15 20
	21	1 19 49.07	46.99	4 30 4.0	5 35.7	0.266454	15 21
	22	1 19 2.08	46.65	4 35 39.7	5 26.2	0.266834	15 22
	23	1 18 15.43	46.24	4 41 5.9	5 16.5	0.267277	15 22
	24	1 17 29.19	−45.78	4 46 22.4	−5 6.5	0.267783	15 24
	25	1 16 43.41	45.27	−4 51 28.9	4 56.1	0.268351	15 25
	26	1 15 58.14	44.72	4 56 25.0	4 45.7	0.268981	15 26
	27	1 15 13.42	44.13	5 1 10.7	4 34.8	0.269672	15 28
	28	1 14 29.29	43.48	5 5 45.5	4 23.8	0.270423	15 29
	29	1 13 45.81	−42.78	5 10 9.3	−4 12.6	0.271233	15 30
	30	1 13 3.03	42.06	−5 14 21.9	4 1.3	0.272101	15 32
	31	1 12 20.97	41.27	5 18 23.2	3 49.8	0.273025	15 34
Nov.	1	1 11 39.70	40.44	5 22 13.0	3 38.1	0.274006	15 37
	2	1 10 59.26	39.56	5 25 51.1	3 26.1	0.275042	15 39
	3	1 10 19.70	−38.66	5 29 17.2	−3 14.2	0.276133	15 41
	4	1 9 41.04	37.69	−5 32 31.4	3 1.8	0.277276	15 44
	5	1 9 3.35	36.68	5 35 33.2	2 49.5	0.278471	15 47
	6	1 8 26.67	35.65	5 38 22.7	2 37.2	0.279717	15 49
	7	1 7 51.02	34.56	5 40 59.9	2 24.7	0.281011	15 52
	8	1 7 16.46	−33.44	5 43 24.6	−2 12.1	0.282354	15 55
	9	1 6 43.02	32.29	−5 45 36.7	1 59.4	0.283744	15 58
	10	1 6 10.73	31.11	5 47 36.1	1 46.8	0.285179	16 1
	11	1 5 39.62	29.90	5 49 22.9	1 34.0	0.286658	16 5
	12	1 5 9.72	28.66	5 50 56.9	1 21.4	0.288180	16 8
	13	1 4 41.06	−27.39	5 52 18.3	−1 8.7	0.289742	16 11
	14	1 4 13.67	26.11	−5 53 27.0	0 56.1	0.291343	16 15
	15	1 3 47.56		5 54 23.1		0.292983	16 19

Opp. in AR. Okt. 16 Gröfse = 10.2

P. Neugebauer.

(13) EGERIA 1912.

12ʰ Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
		h m s	s	° ′ ″	′ ″		m s
Okt.	9	2 15 3.18	−58.06	+5 24 50.1	+0 18.9	0.208273	13 25
	10	2 14 5.12	59.13	5 25 9.0	0 19.3	0.207054	13 23
	11	2 13 5.99	60.12	5 25 28.3	0 20.0	0.205906	13 21
	12	2 12 5.87	61.04	5 25 48.3	0 21.0	0.204828	13 19
	13	2 11 4.83	−61.89	5 26 9.3	+0 22.4	0.203823	13 17
	14	2 10 2.94	62.68	+5 26 31.7	0 24.0	0.202891	13 15
	15	2 9 0.26	63.39	5 26 55.7	0 25.9	0.202033	13 14
	16	2 7 56.87	64.03	5 27 21.6	0 28.1	0.201249	13 12
	17	2 6 52.84	64.61	5 27 49.7	0 30.5	0.200543	13 11
	18	2 5 48.23	−65.12	5 28 20.2	+0 33.0	0.199913	13 10
	19	2 4 43.11	65.55	+5 28 53.2	0 35.7	0.199359	13 9
	20	2 3 37.56	65.92	5 29 28.9	0 38.6	0.198883	13 8
	21	2 2 31.64	66.21	5 30 7.5	0 41.7	0.198484	13 7
	22	2 1 25.43	66.42	5 30 49.2	0 45.0	0.198166	13 7
	23	2 0 19.01	66.57	5 31 34.2	+0 48.4	0.197927	13 6
	24	1 59 12.44	66.63	+5 32 22.6	0 52.0	0.197767	13 6
☍	25	1 58 5.81	66.63	5 33 14.6	0 55.9	0.197686	13 6
	26	1 56 59.18	66.55	5 34 10.5	0 59.8	0.197684	13 6
	27	1 55 52.63	66.41	5 35 10.3	1 3.9	0.197761	13 6
	28	1 54 46.22	−66.18	5 36 14.2	+1 8.3	0.197916	13 6
	29	1 53 40.04	65.88	+5 37 22.5	1 12.8	0.198150	13 7
	30	1 52 34.16	65.52	5 38 35.3	1 17.5	0.198464	13 7
	31	1 51 28.64	65.08	5 39 52.8	1 22.2	0.198855	13 8
Nov.	1	1 50 23.56	64.56	5 41 15.0	1 27.3	0.199323	13 9
	2	1 49 19.00	−63.97	5 42 42.3	+1 32.4	0.199869	13 10
	3	1 48 15.03	63.31	+5 44 14.7	1 37.7	0.200492	13 11
	4	1 47 11.72	62.59	5 45 52.4	1 43.2	0.201191	13 12
	5	1 46 9.13	61.79	5 47 35.6	1 48.8	0.201965	13 14
	6	1 45 7.34	60.92	5 49 24.4	1 54.6	0.202812	13 15
	7	1 44 6.42	−59.99	5 51 19.0	+2 0.7	0.203733	13 17
	8	1 43 6.43	58.98	+5 53 19.7	2 6.9	0.204727	13 19
	9	1 42 7.45	57.89	5 55 26.6	2 13.2	0.205791	13 21
	10	1 41 9.56		5 57 39.8		0.206925	13 23

Opp. in AR. Okt. 25 Gröfse = 9.7

H. Samter.

(90) ANTIOPE 1912/13.

12ʰ Mittl. Zeit	AR. h m s	Diff. s	Dekl. ° ′ ″	Diff. ′ ″	Log. Δ	Aberr.-Zt. m s
1912 Dez. 3	6 46 31.41	−39.97	+24 9 18.7	+1 19.3	0.420195	21 52
4	6 45 51.44	40.97	24 10 38.0	1 19.3	0.419164	21 49
5	6 45 10.47	41.96	24 11 57.3	1 19.3	0.418176	21 46
6	6 44 28.51	42.91	24 13 16.6	1 19.2	0.417231	21 43
7	6 43 45.60	−43.82	24 14 35.8	+1 19.1	0.416330	21 40
8	6 43 1.78	44.68	+24 15 54.9	1 18.8	0.415473	21 37
9	6 42 17.10	45.51	24 17 13.7	1 18.4	0.414661	21 35
10	6 41 31.59	46.30	24 18 32.1	1 18.1	0.413895	21 33
11	6 40 45.29	47.06	24 19 50.2	1 17.5	0.413176	21 31
12	6 39 58.23	−47.76	24 21 7.7	+1 16.9	0.412505	21 29
13	6 39 10.47	48.42	+24 22 24.6	1 16.1	0.411882	21 27
14	6 38 22.05	49.05	24 23 40.7	1 15.3	0.411307	21 25
15	6 37 33.00	49.62	24 24 56.0	1 14.3	0.410781	21 24
16	6 36 43.38	50.15	24 26 10.3	1 13.3	0.410306	21 22
17	6 35 53.23	−50.63	24 27 23.6	+1 12.2	0.409881	21 21
18	6 35 2.60	51.06	+24 28 35.8	1 11.0	0.409507	21 20
19	6 34 11.54	51.45	24 29 46.8	1 9.8	0.409185	21 19
20	6 33 20.09	51.79	24 30 56.6	1 8.6	0.408915	21 19
21	6 32 28.30	52.08	24 32 5.2	1 7.0	0.408696	21 18
22	6 31 36.22	−52.33	24 33 12.2	+1 5.8	0.408529	21 18
23	6 30 43.89	52.52	+24 34 18.0	1 4.2	0.408415	21 17
24	6 29 51.37	52.67	24 35 22.2	1 2.5	0.408354	21 17
25	6 28 58.70	52.76	24 36 24.7	1 0.7	0.408346	21 17
26	6 28 5.94	52.83	24 37 25.4	0 58.9	0.408390	21 17
27	6 27 13.11	−52.84	24 38 24.3	+0 57.1	0.408488	21 17
28	6 26 20.27	52.80	+24 39 21.4	0 55.2	0.408638	21 17
29	6 25 27.47	52.70	24 40 16.6	0 53.1	0.408842	21 18
30	6 24 34.77	52.54	24 41 9.7	0 51.1	0.409098	21 19
☍ 31	6 23 42.23	52.33	24 42 0.8	0 49.0	0.409407	21 20
1913 Jan. 1	6 22 49.90	−52.07	24 42 49.8	+0 46.8	0.409769	21 21
2	6 21 57.83	51.77	+24 43 36.6	0 44.5	0.410182	21 22
3	6 21 6.06	51.42	24 44 21.1	0 42.3	0.410647	21 23
4	6 20 14.64	50.99	24 45 3.4	0 40.0	0.411164	21 25
5	6 19 23.65	50.58	24 45 43.4	0 37.7	0.411732	21 27
6	6 18 33.07	−50.09	24 46 21.1	+0 35.4	0.412351	21 28
7	6 17 42.98	49.56	+24 46 56.5	0 32.9	0.413021	21 30
8	6 16 53.42		24 47 29.4		0.413741	21 32

Opp. in AR. Dez. 31 Größe = 12.3

P. Neugebauer.

(433) EROS 1912.

12ʰ Mittl. Zeit		AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
		h m s	m s	° ′ ″	′ ″		m s
Juni	28	21 7 53.3	−2 9.7	−20 42 49	+5 15	9.93237	7 6
	30	21 5 43.6	2 22.1	20 37 34	5 2	9.92654	7 1
Juli	2	21 3 21.5	2 34.1	20 32 32	4 52	9.92095	6 56
	4	21 0 47.4	2 45.8	20 27 40	4 47	9.91564	6 51
	6	20 58 1.6	−2 56.9	20 22 53	+4 45	9.91065	6 46
	8	20 55 4.7	3 7.6	−20 18 8	4 47	9.90603	6 42
	10	20 51 57.1	3 17.3	20 13 21	4 51	9.90182	6 38
	12	20 48 39.8	3 25.9	20 8 30	4 56	9.89802	6 34
	14	20 45 13.9	3 33.6	20 3 34	5 5	9.89467	6 31
	16	20 41 40.3	−3 40.0	19 58 29	+5 18	9.89180	6 29
	18	20 38 0.3	3 45.1	−19 53 11	5 33	9.88942	6 27
	20	20 34 15.2	3 48.9	19 47 38	5 48	9.88756	6 26
	22	20 30 26.3	3 51.4	19 41 50	6 6	9.88623	6 24
	24	20 26 34.9	3 52.4	19 35 44	6 25	9.88545	6 24
	☍ 26	20 22 42.5	−3 51.9	19 29 19	+6 44	9.88520	6 23
	28	20 18 50.6	3 50.1	−19 22 35	7 3	9.88550	6 23
	30	20 15 0.5	3 46.8	19 15 32	7 23	9.88635	6 24
Aug.	1	20 11 13.7	3 42.2	19 8 9	7 40	9.88774	6 25
	3	20 7 31.5	3 36.3	19 0 29	7 56	9.88965	6 27
	5	20 3 55.2	−3 29.3	18 52 33	+8 10	9.89208	6 29
	7	20 0 25.9	3 21.1	−18 44 23	8 23	9.89500	6 31
	9	19 57 4.8	3 11.9	18 36 0	8 35	9.89839	6 34
	11	19 53 52.9	3 1.6	18 27 25	8 45	9.90223	6 38
	13	19 50 51.3	2 50.6	18 18 40	8 54	9.90650	6 42
	15	19 48 0.7	−2 38.8	18 9 46	+8 59	9.91118	6 46
	17	19 45 21.9	2 26.8	−18 0 47	9 4	9.91621	6 51
	19	19 42 55.1	2 14.2	17 51 43	9 6	9.92156	6 56
	21	19 40 40.9	2 1.4	17 42 37	9 7	9.92721	7 1
	23	19 38 39.5	1 48.4	17 33 30	9 6	9.93312	7 7
	25	19 36 51.1	−1 35.4	17 24 24	+9 5	9.93926	7 13
	27	19 35 15.7	1 22.6	−17 15 19	9 3	9.94561	7 20
	29	19 33 53.1	1 9.8	17 6 16	9 0	9.95213	7 26
	31	19 32 43.3	0 57.0	16 57 16	8 56	9.95881	7 33
Sept.	2	19 31 46.3	0 44.4	16 48 20	8 52	9.96561	7 40
	4	19 31 1.9	−0 32.0	16 39 28	+8 49	9.97251	7 48
	6	19 30 29.9	0 20.0	−16 30 39	8 45	9.97950	7 55
	8	19 30 9.9	0 8.1	16 21 54	8 41	9.98655	8 3
	10	19 30 1.8		16 13 13		9.99365	8 11

(433) EROS 1912 (Fortsetzung).

12^h Mittl. Zeit	AR.	Diff.	Dekl.	Diff.	Log. Δ	Aberr.-Zt.
	h m s	m s	° ′ ″	′ ″		m s
Sept. 10	19 30 1.8	+0 3.4	−16 13 13	+ 8 40	9.99365	8 11
12	19 30 5.2	0 14.7	16 4 33	8 38	0.00076	8 19
14	19 30 19.9	0 25.6	15 55 55	8 37	0.00788	8 27
16	19 30 45.5	0 36.2	15 47 18	8 38	0.01500	8 36
18	19 31 21.7	+0 46.2	15 38 40	+ 8 38	0.02209	8 44
20	19 32 7.9	0 56.0	−15 30 2	8 40	0.02916	8 53
22	19 33 3.9	1 5.4	15 21 22	8 45	0.03618	9 1
24	19 34 9.3	1 14.4	15 12 37	8 49	0.04314	9 10
26	19 35 23.7	1 23.0	15 3 48	8 51	0.05004	9 19
28	19 36 46.7	+1 31.3	14 54 57	+ 8 59	0.05688	9 28
30	19 38 18.0	1 39.2	−14 45 58	9 5	0.06364	9 37
Okt. 2	19 39 57.2	1 46.9	14 36 53	9 13	0.07032	9 46
4	19 41 44.1	1 54.4	14 27 40	9 23	0.07692	9 55
6	19 43 38.5	2 1.5	14 18 17	9 33	0.08343	10 4
8	19 45 40.0	+2 8.5	14 8 44	+ 9 45	0.08985	10 13
10	19 47 48.5	2 15.1	−13 58 59	9 58	0.09618	10 22
12	19 50 3.6	2 21.4	13 49 1	10 12	0.10241	10 31
14	19 52 25.0	2 27.6	13 38 49	10 27	0.10853	10 40
16	19 54 52.6	2 33.4	13 28 22	10 42	0.11455	10 49
18	19 57 26.0	+2 39.0	13 17 40	+11 0	0.12046	10 58
20	20 0 5.0	2 44.3	−13 6 40	11 17	0.12626	11 7
22	20 2 49.3	2 49.3	12 55 23	11 35	0.13195	11 16
24	20 5 38.6	2 54.5	12 43 48	11 54	0.13753	11 25
26	20 8 33.1	2 59.1	12 31 54	12 15	0.14301	11 33
28	20 11 32.2		12 19 39		0.14838	11 41

Opp. in AR. Juli 26 Gröſse = 11.3

Vorstehende Ephemeride ist mit den folgenden von Herrn Dr. Witt nachträglich mitgeteilten Elementen gerechnet:

(433) Eros

Epoche und Oskulation 1912 Juli 30.0

M	185° 6′ 45.″7	
ω	177 46 41.1	mittl. Aeq. 1910.0
☊	303 35 22.9	mittl. Aeq. 1910.0
i	10 49 41.2	mittl. Aeq. 1910.0
φ	12 53 13.1	
μ	2014.″88535	
log a	0.1638375	

Erläuterungen zu den Ephemeriden und Tafeln des Jahrbuchs*).

Das Jahrbuch gibt die Örter der Wandelsterne in geozentrischen und in heliozentrischen Koordinaten, die geozentrischen sind, abgesehen von Länge und Breite der Sonne, äquatoriale und im allgemeinen auf das instantane wahre Äquinoktium bezogen, die heliozentrischen sind ekliptikale und auf ein mittleres Normal-Äquinoktium bezogen. Die Zeitpunkte, für die sie gelten, sind, wenn nicht ausdrücklich eine andere Zeit angegeben wird, in mittlerer Berliner Sonnenzeit ausgedrückt.

Die Örter der Fixsterne sind einmal als wahre, auf das mittlere Äquinoktium des Jahresanfangs bezogen, und dann in Ephemeridenform als scheinbare, auf das instantane wahre Äquinoktium bezogen, gegeben.

Zur Erläuterung ist im einzelnen folgendes zu bemerken:

Reduktionselemente (S. 1).

Diese Zusammenstellung gibt für die mittleren Mittage, von 10 zu 10 Tagen fortschreitend:

1) Die *mittlere Schiefe der Ekliptik.*

2) Die *wahre Schiefe der Ekliptik*, entstanden aus der vorhergehenden durch Hinzufügung der Hauptglieder der Nutation in Schiefe, nämlich:

$$+ 0''.5519 \cos 2 \odot + 0.''0092 \cos (\odot + 281^\circ 27') + 9''.2101 \cos \Omega - 0''.0895 \cos 2\Omega.$$

3) Die (allgemeine) *Präzession in Länge*, gerechnet vom Anfang des annus fictus an.

4) Die Hauptglieder der *Nutation in Länge*, das ist wahre minus mittlere Länge, nämlich:

$$- 1''.2725 \sin 2 \odot + 0''.1477 \sin (\odot + 81^\circ 46')$$
$$- 17''.2339 \sin \Omega + 0''.2070 \sin 2 \Omega.$$

Die kurzperiodischen Glieder in Schiefe und Länge, die hier bei dem 10-tägigen Intervall naturgemäß fortgelassen sind, finden sich

*) Bezüglich der im folgenden verwendeten „Grundbegriffe der sphärischen Astronomie“ und der Zahlengrundlagen sei auf das Berliner Jahrbuch für 1913, S. [1]—[20] verwiesen.

in der letzten Kolumne der Sonnenephemeride von Tag zu Tag aufgeführt.

5) Die *Aberration der Sonne* in Länge, berechnet aus $20''47 : R$.

6) Die *Äquatorial-Horizontalparallaxe der Sonne*, berechnet aus $8''.80 : R$.

Sonnenephemeride (S. 2—41).

Der erste Teil der Sonnenephemeride (S. 2—21) gibt auf den linken Seiten für jeden mittleren Berliner Mittag:

1) Die geozentrischen, äquatorialen Koordinaten (α, δ) des scheinbaren Sonnenorts, bezogen auf das jedesmalige wahre Äquinoktium, zugleich mit der ersten Differenzreihe. Diese Angaben sind direkt mit den Beobachtungen vergleichbar. Die Nutationsglieder kurzer Periode sind, wie im Vorwort erwähnt, weggelassen.

2) Die Zeitgleichung = Mittlere Zeit — Wahre Zeit.

3) Die Durchgangsdauer der Sonnenscheibe durch den Meridian in Sternzeit, berechnet aus

$$\frac{2}{15} H\left(1 + \frac{\Delta\alpha}{86\,400}\right) \sec \delta.$$

[$\Delta\alpha$ tägliche Bewegung der Sonne in AR].

4) Den scheinbaren geozentrischen Halbmesser H der Sonnenscheibe, berechnet aus $959''.63 : R$ (nach Auwers).

Die rechte Seite gibt:

1) Die geozentrischen ekliptikalen Koordinaten (λ, β) des wahren Sonnenorts, bezogen auf das mittlere Äquinoktium des Jahresanfangs, sowie $\log R$. Diese Angaben finden bei Bahnberechnungen u. dergl. Verwendung.

2) Die Sternzeit im mittleren Berliner Mittag.

Um für einen anderen Erdort der östlichen Längendifferenz ΔL (in Stunden) gegen Berlin die Sternzeit in seinem mittleren Mittag zu erhalten, ist von diesen Angaben abzuziehen: $9^s.8565\,\Delta L$. Diese Werte finden sich unter der Überschrift: »Korr. der Sternzeit« im Verzeichnis der Sternwarten (S. 469—476).

3) Die von der Mondlänge abhängigen kurzperiodischen Glieder der Nutation

in Länge: $-0''.2038 \sin 2☾ + 0''.0676 \sin (☾ - 204^\circ\, 21')$

und Schiefe: $+0''.0884 \cos 2☾$.

Auf S. 22—41 folgen, bezogen auf das mittlere Äquinoktium des Jahresanfangs, die rechtwinkligen geozentrischen äquatorialen Sonnenkoordinaten für 0^h und 12^h mittlere Berliner Zeit mit ihren ersten Differenzen; daneben stehen von Tag zu Tag ihre Reduktionen auf das mittlere Äquinoktium des benachbarten Jahrzehntanfanges 1910.0 in

Einheiten der siebenten Dezimale; sie dienen zur bequemen Verbindung der Koordinatenangaben aufeinanderfolgender Jahre bei Rechnungen über kleine Planeten und Kometen.

Aus λ und β, der Länge und Breite der Sonne, werden die rechtwinkligen Koordinaten berechnet nach:

$$X = R \cos \lambda$$
$$Y = R \sin \lambda \cos \varepsilon - 19.3 R\beta \text{ [Einheiten der 7. Dezimale]}$$
$$Z = R \sin \lambda \sin \varepsilon + 44.5 R\beta \text{ [» » » »].}$$

Die Reduktionen dieser *auf das wahre Äquinoktium bezogenen Größen* auf das mittlere Äquinoktium des Jahresanfangs sind:

$$dX = Y \sec \varepsilon \, d\lambda$$
$$dY = -X \cos \varepsilon \, d\lambda + Z d\varepsilon + 19.3 R d\beta$$
$$dZ = -X \sin \varepsilon \, d\lambda - Y d\varepsilon - 44.5 R d\beta;$$

hierin sind:

$$\left.\begin{aligned} d\lambda &= \text{Präzession + Nutation in Länge} \\ d\varepsilon &= \text{Präzession + Nutation in Schiefe} \end{aligned}\right\} \text{ in Bogenmaß,}$$
$$d\beta = \text{Präzession in Breite, in Bogensekunden.}$$

Die Reduktion der rechtwinkligen Sonnenkoordinaten vom mittleren Äquinoktium t_1 auf das mittlere t_2 $(\tau = t_2 - t_1)$ geschieht nach den Formeln:

$$dX_0 = m Y_0 \tau - n Z_0 \tau - \frac{1}{2}(m^2 + n^2) X_0 \tau^2$$
$$dY_0 = m X_0 \tau - \frac{1}{2} m^2 Y_0 \tau^2 - \frac{1}{2} m n Z_0 \tau^2$$
$$dZ_0 = n X_0 \tau - \frac{1}{2} m n Y_0 \tau^2 - \frac{1}{2} n^2 Z_0 \tau^2;$$

m und n (in Bogenmaß) sind die einjährigen Präzessionsbeträge in Rektaszension und Deklination.

Mondephemeride (S. 42—81).

Die linken Seiten der Mondephemeride geben für 0^h und 12^h mittlere Zeit Berlin:

1) Die Rektaszension und Deklination des Mondes mit den ersten Differenzen.

2) Den log. Sinus der Äquatorial-Horizontalparallaxe $p_☾$ des Mondes.

3) Den scheinbaren geozentrischen Mondhalbmesser $r_☾$, berechnet aus

$$\sin r_☾ = 0.2725 \sin p_☾.$$

Die rechten Seiten enthalten für den oberen *(O)* oder unteren *(U)* Berliner Meridiandurchgang des Mondes:

1) Die mittlere Berliner Zeit dieses Durchgangs.

2) Die Rektaszension und Deklination des Mondes.

3) Die halbe Durchgangsdauer der Mondscheibe in Sternzeit, berechnet mit Hilfe des geozentrischen Halbmessers des Mondes und der stündlichen Bewegung in AR.

4) Die AR.-Bewegung des sichtbaren Mondrandes für eine Stunde Länge, d. h. für das Zeitintervall, welches zwischen den beiden Durchgängen des Mondrandes durch zwei um je eine halbe Stunde östlich und westlich von Berlin gelegene Meridiane verfließt.

Auf S. 80 und 81 finden sich noch die Epochen der Phasen, sowie des Perigäums und Apogäums des Mondes.

Ephemeride für den Mondkrater Mösting A (S. 82—86).

Die Ephemeride des Mondkraters Mösting A dient zwei verschiedenen Zwecken: erstens zur genauen Bestimmung von Mondörtern am Himmel durch Meridianbeobachtung des Kraters, zweitens zur Bestimmung der selenographischen Koordinaten weiterer Punkte der Mondoberfläche durch deren mikrometrischen Anschluß an Mösting A.

Sie gilt für die mittlere Mitternacht in Berlin und enthält für die Tage, an welchen Mösting A innerhalb der Beleuchtungsgrenze liegt, die Unterschiede $\alpha_☾ - \alpha_k$ in Rektaszension und $\delta_☾ - \delta_k$ in Deklination zwischen der Mondmitte und dem Krater vom Erdmittelpunkt aus gesehen, sowie den Logarithmus des Sinus der Äquatorial-Horizontalparallaxe p_k des Kraters, welche von der des Mondes $p_☾$ zu unterscheiden ist, mit den zugehörigen Differenzen.

Zur Anwendung der Ephemeride auf Meridianbeobachtungen des Kraters interpoliere man unter strenger Berücksichtigung der zweiten Differenzen $\alpha_☾ - \alpha_k$, $\delta_☾ - \delta_k$ und $\log \sin p_k$ mit der Zeit des Durchgangs des Kraters durch den Meridian. Dann befreie man die beobachtete Deklination des Kraters von der Höhenparallaxe, indem man diese mit dem Argument der wahren Kraterdeklination (nicht Monddeklination), unter Benutzung von p_k, berechnet. Bringt man alsdann $\alpha_☾ - \alpha_k$ und $\delta_☾ - \delta_k$ an die Beobachtung an, so hat man die geozentrische AR. und Dekl. des Mondes für die Beobachtungszeit, d. h. für die Kulmination des Kraters (nicht des Mondes).

Für Beobachtungen außerhalb des Meridians interpoliere man $\alpha_☾ - \alpha_k$, $\delta_☾ - \delta_k$ und $\log \sin p_k$ mit der Zeit der Beobachtung. Man findet dann die gesehene, mit Parallaxe behaftete Differenz $\alpha'_☾ - \alpha'_k$ offenbar, indem man die mit $p_☾$ und dem Mondort berechnete Parallaxe $\alpha'_☾ - \alpha_☾$ des Mondes in AR. zu $\alpha_☾ - \alpha_k$ addiert und dann die mit p_k und dem Kraterort berechnete Parallaxe $\alpha'_k - \alpha_k$ des Kraters in AR. subtrahiert. Es ist nämlich:

$$\alpha'_☾ - \alpha'_k = \alpha_☾ - \alpha_k + (\alpha'_☾ - \alpha_☾) - (\alpha'_k - \alpha_k)$$

und ebenso $$\delta'_☾ - \delta'_k = \delta_☾ - \delta_k + (\delta'_☾ - \delta_☾) - (\delta'_k - \delta_k).$$

Verbindet man die so erhaltenen scheinbaren Abstände zwischen der Mondmitte und Mösting A mit mikrometrischen Messungen zwischen Mösting A und einem zweiten Krater, so erhält man die scheinbare Lage des letzteren gegen die Mondmitte und kann hieraus mit Hülfe von $\alpha'_{☾}$ und $\delta'_{☾}$, mit der auf Seite 87 angegebenen Lage des Mondäquators und der mit den Angaben auf Seite 453 berechneten physischen Mondlibration die selenographische Länge und Breite des zweiten Kraters berechnen. Hierzu dienen die im folgenden angeführten Formeln.

Bezeichnet man mit α' und δ' die scheinbare AR. und Dekl. des an Mösting A angeschlossenen Kraters, so hat man:

$$s \sin \pi_m = (\alpha' - \alpha'_{☾}) \cos \tfrac{1}{2} (\delta' + \delta'_{☾})$$
$$s \cos \pi_m = (\delta' - \delta'_{☾})$$
$$\pi = \pi_m - \tfrac{1}{2} (\alpha' - \alpha'_{☾}) \sin \tfrac{1}{2} (\delta' + \delta'_{☾})$$
$$\sin (K + s) = \sin s \operatorname{cosec} h'.$$

h' ist der scheinbare Radiusvector des Kraters, der aus h, dem vom Erdmittelpunkt aus gesehenen Radiusvector, durch Anbringen der Parallaxe gewonnen wird. Ist die Entfernung des Kraters vom Mondschwerpunkt gänzlich unbekannt, so möge für h der aus Sternbedeckungen folgende Wert des Mondhalbmessers eingesetzt werden.

$$\sin d = -\sin \delta'_{☾} \cos K + \cos \delta'_{☾} \sin K \cos \pi$$
$$\cos d \cos (a - \alpha'_{☾}) = -\cos \delta'_{☾} \cos K - \sin \delta'_{☾} \sin K \cos \pi$$
$$\cos d \sin (a - \alpha'_{☾}) = \sin K \sin \pi$$
$$\sin \beta = \sin d \cos i - \cos d \sin i \sin (a - ☊')$$
$$\cos \beta \sin \lambda' = \sin d \sin i + \cos d \cos i \sin (a - ☊')$$
$$\cos \beta \cos \lambda' = \cos d \cos (a - ☊').$$

Die Größen i und $☊'$ entnehme man der Seite 87.

$$\lambda = \lambda' - 180^\circ - L - (\varDelta - ☋).$$

L, die mittlere Länge des Mondes, findet sich auf Seite 88, wie $\varDelta - ☋$ auf Seite 87.

Die so erhaltenen Werte von λ und β beziehen sich auf den mittleren (vom Einfluß der physischen Libration freien) Mondäquator; die Transformation auf den wahren erfolgt durch die Korrektionen:

$$d\lambda = +12'' \sin M - 59'' \sin M' - 18'' \sin 2\omega$$
$$+ \operatorname{tg} \beta [-108'' \cos(\omega + \lambda) + 37'' \cos(\omega - \lambda) - 11'' \cos(M + \omega - \lambda)]$$
$$d\beta = +108'' \sin(\omega + \lambda) + 37'' \sin(\omega - \lambda) - 11'' \sin(M + \omega - \lambda).$$

Die Größen M, M', ω sind der Seite 453 zu entnehmen.

Bringt man diese Korrektionen $d\lambda$ und $d\beta$ an λ und β an, so erhält man die selenographischen Koordinaten des Kraters

$$\lambda_0 = \lambda + d\lambda, \qquad \beta_0 = \beta + d\beta.$$

Der Berechnung der Ephemeride des Kraters Mösting A liegen folgende von F. Hayn ermittelte Konstanten (Selenographische Koordinaten III, Seite 49) zugrunde:

$$\lambda_0 = -5^\circ\ 10'\ 13'', \qquad \beta_0 = -3^\circ\ 10'\ 58''$$

$$h = 15'\ 34''.71 \text{ entsprechend der Parallaxe } 57'\ 2''.27.$$

Für die Reduktion auf den mittleren Mondäquator wurden die Werte angenommen:

$$d\lambda = -12'' \sin M + 59'' \sin M' + 18'' \sin 2\,\omega$$

$$d\beta = -145'' \sin \omega + 11'' \sin (M + \omega)$$

so daß die auf den mittleren Mondäquator bezogenen selenographischen Koordinaten des Kraters Mösting A sind:

$$\lambda = \lambda_0 + d\lambda, \qquad \beta = \beta_0 + d\beta.$$

Lage des Mondäquators. Mondbewegung (S. 87 und 88).

Die beiden Tafeln auf Seite 87 und 88 dienen, neben dem soeben angegebenen Zweck, zur Berechnung der optischen Libration des Mondes (in Verbindung mit der Tafel auf Seite 454 und 455) und zur Ermittelung des Winkels C, welchen der Mondmeridian des Mittelpunktes der scheinbaren Mondscheibe mit dem Deklinationskreise bildet.

Die Formeln für die Berechnung der optischen Libration sind auf Seite 455 vollständig aufgeführt. Der Winkel C ergibt sich aus folgender Formel:

$$\sin C = -\sin i \,\frac{\cos (l + \Delta - ☊)}{\cos \delta} = -\sin i \,\frac{\cos (\alpha - ☊')}{\cos b'},$$

worin

i . . . . die Neigung des Mondäquators gegen den Erdäquator,
Δ . . . das Stück des Mondäquators vom aufsteigenden Knoten im Erdäquator bis zum aufsteigenden Knoten in der Ekliptik,
☊′ . . . den aufsteigenden Knoten des Mondäquators im Erdäquator,
☊ . . . den aufsteigenden Knoten des Mondäquators in der Ekliptik,
α, δ . . Rektaszension und Deklination des Mittelpunktes der Mondscheibe, gesehen vom Beobachtungsort aus,
l', b' . . die optische Libration in selenographischer Länge und Breite,
l_0 . . . die mittlere Länge des Mondes

bezeichnen und $l = l' + l_0$ gesetzt wird.

C wird vom nördlichen Teil des Deklinationskreises nach Osten positiv gerechnet.

Bei der Berechnung von i, Δ, ☊′ ist die Neigung des Mondäquators gegen die Ekliptik nach F. Hayn (Selenographische Koordinaten III,

Seite 49) zu $J = 1° 32' 6''$ angenommen worden. Die Zahlen geben die Lage des mittleren Mondäquators (ohne physische Libration).

Die in der ersten Kolumne der Tafel auf Seite 88 aufgeführte Länge des aufsteigenden Knotens der Mondbahn auf der Ekliptik dient auch zur Berechnung der Nutationsausdrücke.

Auf- und Untergang von Sonne und Mond (S. 89—93).

Die Zeiten der Auf- und Untergänge von Sonne und Mond für Berlin in mittlerer Berliner Zeit, welche als Grundlage für die Kalenderrechnungen benachbarter Orte häufig Verwendung finden, sind berechnet mit Berücksichtigung der Horizontalparallaxe 57′ und der Horizontalrefraktion 33′.

Planetenephemeriden (S. 94—148).

Die geozentrischen Örter der Planeten sind für Merkur, Venus und Mars von Tag zu Tag, für Jupiter, Saturn, Uranus und Neptun von 2 zu 2 Tagen mit ihren ersten Differenzen gegeben, und zwar in wahren, d. h. auf das momentane Äquinoktium bezogenen Koordinaten des wahren Orts, für 0^h mittlere Berliner Zeit. Zu ihrer Vergleichung mit den Beobachtungen hat man nur die Beobachtungszeiten um die jedesmalige Lichtzeit ($498^s.4\,\Delta$) zu vermindern. Die hierzu, sowie zur Berechnung der Parallaxe ($8''.80 : \Delta$) erforderliche Kenntnis der geozentrischen Entfernung Δ des Planeten (Δ in Einheiten der mittleren Entfernung Sonne—Erde) vermittelt die »Log. Δ« überschriebene Kolumne.

Die vorletzte Kolumne jeder Seite enthält unter der Bezeichnung »Östlicher Stundenwinkel« des Planeten einen genäherten Wert für die mittlere Zeit seiner oberen Kulmination. Die letzte Kolumne gibt den halben Tagbogen für die im Berliner Mittag stattfindende Deklination und die Polhöhe von Berlin, gerechnet unter Berücksichtigung der Horizontalrefraktion 33′.

Für die Reduktion und die Vergleichung der Planetenbeobachtungen mit der Ephemeride ist die Kenntnis der scheinbaren Halbmesser erforderlich. Man kann für dieselben in der Einheit der Entfernung annehmen:

für	Merkur	Halbmesser	. . . . .	3″.34		
»	Venus	»	. . . . .	8 .78		
»	Mars	»	. . . . .	4 .68		
»	Jupiter	»	(Äquatorial)	99 .8,	(Polar)	92″.6
»	Saturn	»	(Äquatorial)	81 .4,	(Polar)	73 .4
»	Uranus	»	. . . . .	34 .7		
»	Neptun	»	. . . . .	45		

Die heliozentrischen Ephemeriden der Hauptplaneten (S. 144—148) geben den Log. des Radius vector, die Länge in der Bahn, deren Reduktion auf die Ekliptik und die Breite, außerdem bei den Planeten Jupiter, Saturn, Uranus und Neptun noch den Winkel B_0, welchen der Radius vector mit derjenigen Bahnebene macht, für welche die bei jedem Planeten unter den Kolumnen hinzugefügten Angaben über ☊ und i gelten.

Bei Jupiter, Saturn, Uranus und Neptun stellen ☊ und i die Bahnlage für die Epoche und das Äquinoktium des benachbarten Jahrzehntanfangs dar; bei Merkur, Venus und Mars ist die Epoche der Jahresanfang, das Äquinoktium das des benachbarten Jahrzehntanfangs.

(Über die Verwendung von B_0 bei Störungsrechnungen siehe die ausführlichere Erläuterung im Jahrbuch für 1880 und 1881.)

Die Genauigkeit und Ausführlichkeit dieser heliozentrischen Angaben ist ihrem Hauptzweck, zur Berechnung der speziellen Störungen zu dienen, angepaßt.

Die unten beigefügten Werte der Planetenmassen sind die den Tafeln von Newcomb und von Hill zugrunde liegenden, für Mars und Saturn sind sie identisch mit den aus Trabantenbeobachtungen von A. Hall, resp. von Bessel abgeleiteten Werten, für die anderen Planeten beruhen sie auf den Störungen, die sie ausüben. Für die Erde ist noch besonders zu erwähnen, daß heliozentrischer Radius vector, Länge und Masse sich auf das System »Erde + Mond« beziehen.

Mittlere Örter von 925 Fixsternen (S. 149—172).

Die mittleren Örter der 925 Fixsterne sind aus den Daten der Veröffentlichung Nr. 33 des *Königlichen Astronomischen Recheninstituts* mit den daselbst angegebenen Hilfsgrößen für Präzession und Eigenbewegung abgeleitet worden. Nur die mittleren Örter der 20 Polsterne sind durch mechanische Quadratur berechnet.

Scheinbare Örter von 573 Fixsternen (S. 173—371).

Die scheinbaren Örter sind für den Moment der oberen Kulmination im Berliner Meridian gegeben, und zwar zunächst für 18 weniger als 10° von den Polen entfernte Sterne von Tag zu Tag, in Rektaszension auf $0^s.01$, in Deklination (im Einklang damit) auf $0''.01$ angesetzt. Die Anordnung ist eine derartige, daß für jeden Zeitraum einer Seite sämtliche 9 (entweder nördliche oder südliche) Polsterne nebeneinander aufgeführt sind, wie es für den Gebrauch am geeignetsten erscheint. Hierbei sind auch die Glieder zweiter Ordnung der »Red. ad. l. app.« nach besonders dafür hergestellten handschriftlichen Tafeln berücksichtigt.

Es folgen die scheinbaren Örter der übrigen 555 Sterne von 10 zu 10 Tagen, in Rektaszension auf $0^s.01$, in Deklination auf $0''.1$ angesetzt; sie beziehen sich auf die Epoche derjenigen oberen Kulmination, welche an dem nebenstehenden wahren Sonnentage stattfindet. Der Übergang einer Kulmination auf den vorangehenden wahren Sonnentag ist dadurch bezeichnet, daß das Datum des Tages, an welchem 2 obere Kulminationen stattfinden, vor den Rektaszensionen aufgeführt ist.

Am Fuß der Ephemeriden ist der mittlere Ort eines jeden Sterns für den Anfang des Jahres, außer für die Polsterne, wieder angegeben, dazu die Werte von tg δ und sec δ (bei den Polsternen für die Deklination der Seitenmitte giltig), welche bei der Reduktion der Meridianbeobachtungen nach der hierfür am zweckmäßigsten erscheinenden Besselschen Formel gebraucht werden.

Die kurzperiodischen Mondglieder der Nutation sind durchweg unberücksichtigt geblieben, können aber in den Fällen, in denen ihre Mitnahme wünschenswert erscheint, nach den Formeln auf S. 372 und mit Hülfe der Tafel auf S. 384 und 385 berechnet worden. Nur bei den Polsternen sind diese Glieder, mit Ausnahme von f', schon berechnet, aber gesondert unter der Überschrift ☾ hinzugefügt.

Die jährliche Parallaxe ist bei folgenden Sternen, bei denen sie $0''.20$ übersteigt und hinreichend verbürgt erscheint, nämlich:

Nr. 59	τ Ceti	mit $0''.31$		Nr. 538	α Centauri	mit $0''.75$
Nr. 257	α Can. maj.	» 0.38		Nr. 745	α Aquilae	» 0.23
Nr. 291	α Can. min.	» 0.33		Nr. 793	61 Cygni	» 0.30

bereits berücksichtigt. Von den nicht mit Ephemeriden versehenen Sternen des F. K. besitzt noch Nr. 825 ε Indi eine Parallaxe von $0''.25$.

Reduktionstafeln (S. 372—397).

Auf die scheinbaren Örter der Sterne folgt S. 372 eine Zusammenstellung der Formeln, nach welchen die Reduktionskonstanten der darauf folgenden Tafeln berechnet sind.

Die Größen zur »Reduktion auf den scheinbaren Ort« sind in ihrer ersten Form, A, B, C, D, E gegeben für $18^h 40^m$ Sternzeit des Normalmeridians $= 12^h 27^m.7$ Sternzeit Berlin:

1) Auf S. 373 im Intervall von 10 Sternzeittagen, ohne Berücksichtigung der von der Mondlänge abhängigen Mondglieder.

Diese Tafel dient hauptsächlich zur Berechnung von Sternephemeriden für die Epochen der Meridiandurchgänge. Wegen ihrer logarithmischen Form ist sie zur Interpolation nicht geeignet. Man wird deshalb zweckmäßig die Interpolation erst nach der Summierung der einzelnen, unmittelbar für die Epochen der Tafel berechneten Glieder vornehmen.

2) Auf S. 386—395 für jeden Sterntag, mit Berücksichtigung der kurzperiodischen Mondglieder. Um den Gebrauch dieser Tafel zu erleichtern, sind jedesmal an derjenigen Stelle, wo die Werte einer der Konstanten durch Null gehen, neben den logarithmischen Angaben die Numeri der betreffenden Konstante beigesetzt.

Beiden Tafeln ist in einer Spalte die dem festen Sternzeitmoment jedesmal entsprechende mittlere Zeit vorangestellt; man wird hiernach auf jeden beliebigen Zeitpunkt, gegeben durch Datum, Sternzeit und Längendifferenz mit Berlin, übergehen können. Eine weitere Spalte gibt die seit Beginn des annus fictus verflossene Zeit in Bruchteilen des tropischen Jahres.

Die Reduktionsgrößen der zweiten Form, f, g, G, h, H, i, sind S. 374—383 von Tag zu Tag für die mittlere Mitternacht Berlin ohne die von der Mondlänge abhängigen Nutationsglieder gegeben. In der letzten Kolumne ist jedoch, um sie gegebenenfalls berücksichtigen zu können, unter dem Zeichen ☾ das Argument »mittlere Mondlänge« für die Tafeln der Seiten 384 und 385 angeführt, wobei die Peripherie in 1000 Teile geteilt gedacht ist. Die zweite Spalte gibt in Bruchteilen des tropischen Jahres die Zeit gezählt vom Beginn des annus fictus.

Die Tafeln (S. 384 und 385) enthalten die Hülfsmittel zur Berücksichtigung der schnell veränderlichen Nutationsglieder für beide Formen der Red. ad l. app.

Die hauptsächlichste Vernachlässigung liegt darin, daß als Wert des Perigäums der Mondbahn für das ganze Jahr der für 1914.5 berechnete Wert: $\Gamma' = \Omega + \omega = 204^\circ 21'$ angenommen ist.

Die Tafel auf S. 396 und 397 dient zur Übertragung wahrer Örter von dem *mittleren* Äquinoktium des benachbarten Jahrzehntanfangs auf das *instantane* wahre Äquinoktium.

Sonnen- und Mondfinsternisse und Merkursdurchgang

(S. 398—407).

Die Sonnenfinsternisse sind in der Form berechnet worden, welche Hansen (Theorie der Sonnenfinsternisse und verwandten Erscheinungen. Abhandlungen der K. Sächsischen Gesellschaft der Wissenschaften IV) der Behandlung dieses Problems gegeben hat.

Die Bezeichnungen und Einführungen von Hansen sind auch im Jahrbuch bei der tabellarischen Aufstellung der Rechnungsresultate durchgängig beibehalten worden, so daß es genügen wird, zu ihrer Erläuterung auf die erwähnte Abhandlung zu verweisen (siehe besonders die übersichtliche Anführung der einzelnen Formeln von Seite 434 an).

Es wird hier nur erforderlich sein, in aller Kürze anzugeben, auf welche Weise man mit Hilfe der auf Seite 398 und 401 gegebenen Hansenschen Elemente der Sonnenfinsternisse Zeit und Umstände der Finsternis für jeden Ort innerhalb der Grenzkurven berechnen kann.

Der Ort sei gegeben durch seine (nach Osten gezählte) Länge von Berlin . . . λ, oder von Greenwich . . . $\lambda_0 = \lambda + 13^\circ\ 23'.7$ und durch seine geographische Breite φ.

Man bilde zuerst $\tang \varphi_1 = (1 - c) \tang \varphi$, wo c die Abplattung der Erde ist, also $\log(1 - c) = 9.99855$ angenommen werden kann, sodann:

$$\xi = \cos \varphi_1$$
$$\eta = (1 - c) \sin \varphi_1.$$

Hierauf muß man für die Epoche des fraglichen Phänomens, sei es nun erste und letzte, äußere oder innere Berührung, oder größte Phase, einen Näherungswert der wahren Ortszeit annehmen.

Hierzu kann man die anderweitigen Angaben des Jahrbuchs, insbesondere die eventuelle Angabe der Epochen des Eintritts der größten Phase auf der Zentrallinie zu Rate ziehen. Ein für die erste Annäherung hinreichender und bequemer Näherungswert der Ortszeit ist $\mu + \lambda$, wo μ die wahre Berliner Zeit der geozentrischen größten Phase ist. (Siehe Elemente der Finsternis.)

Sei der Näherungswert der Ortszeit t_0, so bilde man mit Hülfe der in dem Elementenverzeichnis des Jahrbuchs gegebenen Werte von γ, μ, n, u', f, δ', g, G, k, K, welche man beiläufig mit dem Argumente der wahren Berliner Zeit $\tau = t_0 - \lambda$ entnimmt, folgende Ausdrücke, welche als gemeinsame Grundlage der Annäherung für die Berechnung aller Phasen dienen können:

$$m \sin M = \gamma - \eta \cos g + \xi \sin g \sin (G + t_0)$$
$$m \cos M = (t_0 - \lambda - \mu) \frac{n}{15} - \eta \cos k + \xi \sin k \cos (K + t_0)$$
$$m' \sin M' = -\varkappa \xi \sin g \cos (G + t_0)$$
$$m' \cos M' = n - \varkappa \xi \sin k \sin (K + t_0)$$
$$u_0 = u' - (\eta \sin \delta' + \xi \cos \delta' \cos t_0) \tang f$$

wo $\varkappa = \frac{15 \cdot 3600}{206265} \qquad \lg \varkappa = 9.41797.$

Bei der Entnahme von u' und f hat man für innere Berührungen u'_i und f_i, für äußere Berührungen u'_a und f_a zu wählen.

Hierauf berechnet man:

$$\sin \chi' = \frac{m}{u_0} \sin (M + M')$$
$$t = t_0 - 15 \frac{m}{m'} \cos (M + M') + 15 \frac{u_0}{m'} \cos \chi'$$

wobei man, da zu $\sin \chi'$ ein negativer und ein positiver Wert von $\cos \chi'$ sich ergibt, zwei Werte von t (zur ersten oder letzten Berührung gehörig) findet.

Mit jedem dieser beiden Werte von t rechnet man nun in zweiter Annäherung, wobei die Elemente γ, μ, n, u', f, δ', g, G, k, K mit den wahren Berliner Zeiten $t-\lambda$ aus dem Elementenverzeichnis zu entnehmen sind:

$$m \sin M = \gamma - \eta \cos g + \xi \sin g \sin (G + t_0)$$

$$m \cos M = (t_0 - \lambda - \mu) \frac{n}{15} - \eta \cos k + \xi \sin k \cos (K + t_0)$$

$$m' \sin M' = - \varkappa' \xi \sin g \cos \left[G + \frac{1}{2} (t_0 + t)\right]$$

$$m' \cos M' = n - \varkappa' \xi \sin k \sin \left[K + \frac{1}{2} (t_0 + t)\right]$$

$$u = u_0 + \varkappa' \xi \cos \delta' \operatorname{tang} f \sin \frac{1}{2} (t_0 + t) \frac{(t-t_0)}{15}$$

wo
$$\varkappa' = 30 \cdot \frac{\sin \frac{1}{2}(t-t_0)}{t-t_0};$$

$(t - t_0)$ ist hierbei stets in Graden auszudrücken.

Mit den so gefundenen m, m', M, M' und u bildet man dann wieder

$$\sin \chi' = \frac{m}{u} \sin (M+M')$$

$$t = t_0 - 15 \frac{m}{m'} \cos (M + M') + 15 \frac{u}{m'} \cos \chi'.$$

Von den beiden Lösungen für t benutzt man bei der zweiten und den folgenden Näherungen für den Eintritt natürlich nur die zum Eintritt, ebenso bei den Näherungen für den Austritt die zum Austritt gehörige.

Die in zweiter oder dritter Näherung gefundenen Werte t sind meistens schon genau genug die wahren Ortszeiten des gesuchten Eintritts oder Austritts, und die Positionswinkel der Eintritts- und Austrittspunkte (am Sonnenmittelpunkt von der Richtung zum Nordpol nach der Seite der wachsenden Rektaszensionen oder nach Osten hin gezählt) sind mit den beiden Werten von χ', die der Sinus ergibt:

$$\vartheta = N' + M' - \chi',$$

wo N' aus dem Elementenverzeichnis zu entnehmen ist.

Um die Zeit der größten Phase zu berechnen, kann man zunächst die Werte t_0, m, m', M, M' aus der obigen ersten Annäherung benutzen und damit bilden:
$$t_1 = t_0 - 15 \frac{m}{m'} \cos (M + M').$$

Mit dem so gefundenen Werte t_1 bildet man für die Epoche $t_1 - \lambda$ wieder die Werte der Elemente und berechnet damit in zweiter Annäherung die Werte m, m', M, M', indem man in den Gleichungen der ersten Annäherung t_0 durchgängig mit t_1 vertauscht. Man hat dann den genaueren Wert der Ortszeit der größten Phase:

$$t = t_1 - 15 \frac{m}{m'} \cos(M+M')$$

und zur Kontrolle für diese Zeit $M + M' = 90°$ oder $= 270°$, je nachdem der Mondmittelpunkt nördlich oder südlich vom Sonnenmittelpunkt vorbeigeht.

Zur Bestimmung der Größe der Verfinsterung hat man zugleich:

$$u = m,$$

welcher Wert bei zentraler Verfinsterung = 0 wird.

Die Größe in Teilen des Durchmessers i findet man mit einer für diese rohe Angabe genügenden Näherung:

$$i = \frac{u'_a - u}{u'_a - u'_i} \cdot \cdot \cdot \cdot$$

Zu den Angaben über die Mondfinsternisse (Seite 400 und 405) sei bemerkt, daß als Vergrößerungsfaktor des Erdschattens nach J. Hartmann $\frac{1}{50}$ angenommen ist.

Beim Merkursdurchgang (S. 406 und 407) sind die nötigen Erläuterungen unmittelbar gegeben.

Sternbedeckungen durch den Mond (S. 408—417).

Bei den Sternbedeckungen findet man zunächst (Seite 408 und 409) ein Verzeichnis derjenigen helleren Sterne (bis zur 5.5. Größe), welche im Laufe des Jahres 1914 für irgend einen Ort der Erdoberfläche vom Monde bedeckt werden können. Die Angaben für die nicht dem Fundamentalkatalog des Jahrbuchs angehörenden Sterne sind dem Nautical Almanac entnommen; eine Beziehung beider Systeme aufeinander hat nicht stattgefunden.

Hierauf folgen in den zweispaltigen Seiten 410—416 nach dem Nautical Almanac die Hilfsmittel zur Berechnung der einzelnen Bedeckungen:

in der 1. Kolumne die Nr. des Sterns, welcher bedeckt wird, nach dem voranstehenden Verzeichnisse;

in der 2. Kolumne die Zeit T der geozentrischen Konjunktion in AR. von Stern und Mondmittelpunkt in Monatstagen, Stunden und Minuten;

in der 3., 4. und 5. Kolumne die Werte folgender Ausdrücke:

$$q = \frac{\delta - D}{\pi}, \qquad p' = \frac{\Delta\alpha . \cos\delta}{\pi}, \qquad q' = \frac{\Delta\delta}{\pi}$$

p' und q' in Einheiten der 4. Dezimale.

In diesen Ausdrücken bedeutet:

δ die geozentrische Deklination des Mondes für die Zeit T.

D die Deklination des Sterns.

π die Äquatorial-Horizontalparallaxe des Mondes (bezw. vermindert um die Parallaxe des Planeten bei Planetenbedeckungen) für die Zeit T.

$\Delta\alpha$ und $\Delta\delta$ die Veränderung der geozentrischen Rektaszension und Deklination des Mondes (bezw. vermindert um die Veränderung des Planetenortes bei den Planetenbedeckungen), für eine Stunde mittlerer Zeit, gültig für die Konjunktionszeit T.

Nennt man ferner die geozentr. AR. des Mondes zur Zeit $T \ldots \alpha$, die AR. des Sterns ... A, den geozentr. scheinbaren Halbmesser des Mondes ... r, die Längendifferenz des Beobachtungsortes gegen Berlin ... d (östlich positiv), die der mittleren Zeit $T + d$ entsprechende Sternzeit des Ortes ... Θ, seine geozentrische Breite ... φ', seinen geozentrischen Radius vector in Teilen des Radius des Äquators ... ϱ; setzt man endlich (nach J. Peters *Astr. Nachr.*, Bd. 138, S. 147)

$$\frac{r}{\pi} = k = 0.2725, \qquad \log k = 9.4354$$

$$\text{und } \log (15 \cdot 3609.9 \sin 1'') = \log \lambda = 9.41916,$$

so wird die Aufgabe der Vorausberechnung der Ortszeit etc. für die betreffende Bedeckung in Verbindung mit den obigen in den Tafeln gegebenen Werten gelöst durch die Bildung folgender Ausdrücke und die Ausführung folgender Rechnungen (nach Bessels Näherungsformeln im Jahrbuch für 1831):

$$p = \frac{(\alpha - A)\cos\delta}{\pi} \quad (= 0 \text{ für das Zeitmoment } T)$$

$$u = \varrho \cos \varphi' \sin (\Theta - A)$$

$$v = \varrho \sin \varphi' \cos D - \varrho \cos \varphi' \cos (\Theta - A) \sin D$$

$$u' = \lambda \varrho \cos \varphi' \cos (\Theta - A) \qquad = \left(\frac{du}{dt}\right)$$

$$v' = \lambda \varrho \cos \varphi' \sin (\Theta - A) \sin D \qquad = \left(\frac{dv}{dt}\right)$$

$$m \sin M = p - u \qquad n \sin N = p' - u'$$

$$m \cos M = q - v \qquad n \cos N = q' - v'$$

(m und n stets positiv)

$$\tau = -\frac{m}{n} \cos (M - N).$$

Die Momente des Eintritts und des Austritts T_1 und T_2 des Sterns werden dann, wenn noch $\cos \psi = \frac{m \sin (M - N)}{k}$ (wo ψ immer kleiner als 180°) berechnet ist, gefunden durch:

$$T_1 = T + d + \tau - \frac{k}{n} \sin \psi \qquad T_2 = T + d + \tau + \frac{k}{n} \sin \psi.$$

Die Örter des Eintritts und Austritts an der Mondscheibe sind bestimmt durch ihre Positionswinkel:

$$Q_1 = N - 90^\circ + \psi \qquad Q_2 = N - 90^\circ - \psi.$$

Die so gefundenen Resultate werden indes von der Wahrheit sehr entfernt sein können, wenn die Korrektion τ, welche zu der Ortszeit der geozentrischen Konjunktion hinzugefügt werden muß, um die Ortszeit des auf den Beobachtungsort bezüglichen kleinsten Abstandes des Sterns vom Mondmittelpunkt zu finden, sehr beträchtlich ist; mit anderen Worten, wenn an dem betreffenden Ort zur Zeit $T + d$ der Stundenwinkel des

Mondes groß ist. In diesem Falle nämlich ist hauptsächlich die Berechnung der der Zeit folgenden Veränderungen von u und v durch die ersten Differentialquotienten u' und v' bei der starken Änderung des Winkels $(\Theta - A)$ nicht mehr genügend, sondern man muß jetzt die zweite Näherung ausführen, indem man für die Ortszeit $T + d + \tau$ oder die Berliner Zeit $T + \tau = T_\circ$ berechnet:

$$p_\circ = \tau p' \qquad q_\circ = q + \tau q' \qquad \Theta_\circ = \Theta + \tau + \varepsilon \qquad t = \Theta_\circ - A$$

(wo ε die Reduktion des mittleren Zeitintervalles τ auf Sternzeit bedeutet)

$$u = \varrho \cos \varphi' \sin t$$
$$v = \varrho \sin \varphi' \cos D - \varrho \cos \varphi' \sin D \cos t$$
$$u' = \lambda \varrho \cos \varphi' \cos t$$
$$v' = \lambda \varrho \cos \varphi' \sin D \sin t.$$

Berechnet man mit diesen Werten

$$\varDelta\tau = -\frac{m}{n} \cos (M - N),$$

so wird diese Näherung schon ziemlich ausreichend sein, um die Zeiten und Örter des Eintritts und Austritts zu finden, wie oben:

$$\cos \psi = \frac{m \sin (M - N)}{k}$$

$$T_1 = T + d + \tau + \varDelta\tau - \frac{k}{n} \sin \psi \quad \text{u. s. w.}$$

Bei der Berechnung der ersten Näherung, welche τ ergibt, wird es aber nicht nötig sein, nach den ausführlichen Formeln bis

$$\tau = -\frac{m}{n} \cos (M - N)$$

zu rechnen, sondern man wird eine wesentliche Abkürzung und eine hinreichende Konvergenz der Näherung erreichen, wenn man setzt:

$$\tau = \frac{u}{p' - u'} \quad \cdot \cdot \cdot \cdot \cdot$$

Wenn man hier noch statt des jedesmaligen, in den Elementen der Sternbedeckungen angegebenen p' den Durchschnittswert 0.5646 annimmt, läßt sich der Ausdruck

$$\tau = \frac{\varrho \cos \varphi' \sin (\Theta - A)}{0.5646 - \lambda \varrho \cos \varphi' \cos (\Theta - A)}$$

für eine bestimmte Polhöhe φ' sehr leicht mit dem Argumente des Stundenwinkels $(\Theta - A)$ in eine Hilfstafel bringen, aus der man ohne Mühe den zur ersten Näherung hinreichenden Wert von τ bei westlichem Stundenwinkel positiv, bei östlichem negativ entnimmt.

Um für jeden Ort die erste Korrektion τ in Minuten ausgedrückt zu finden, kann die Tafel Seite [16] mit dem Horizontalargument »φ'« und dem Vertikalargument »Stundenwinkel« dienen. Zur genäherten Bildung des letzteren Argumentes werden die Kolumnen der Mondephemeride, welche »Im Meridian von Berlin« überschrieben sind, von Nutzen sein können.

φ'

t	0°	8°	16°	24°	32°	40°	48°	56°	64°	72°	t
h m	m	m	m	m	m	m	m	m	m	m	h m
0 0	0	0	0	0	0	0	0	0	0	0	0 0
20	17	17	16	15	13	11	9	7	5	3	20
40	34	33	32	29	26	22	18	14	10	7	40
1 0	50	49	47	43	38	32	26	21	15	10	1 0
20	65	63	60	55	49	42	34	27	20	13	20
40	78	76	73	67	59	51	42	33	24	16	40
2 0	89	88	84	77	68	59	49	38	28	19	2 0
20	98	97	93	85	76	66	55	43	32	21	20
40	106	105	100	93	83	72	60	48	36	24	40
3 0	112	110	106	98	89	77	65	52	39	26	3 0
20	116	115	110	102	93	81	68	55	41	28	20
40	119	117	113	105	96	84	71	57	43	29	40
4 0	120	119	114	107	97	86	73	59	45	31	4 0
20	120	118	114	107	98	87	74	61	46	32	20
40	119	117	113	107	98	87	75	61	47	33	40
5 0	117	115	112	106	97	87	75	62	48	33	5 0
20	114	113	109	103	95	86	74	62	48	33	20
40	110	109	106	101	93	84	73	61	47	33	40
6 0	106	105	102	97	90	82	71	60	47	33	6 0
20	102	101	98	93	87	79	69	58	46	32	20
40		96	93	89	83	76	67	56	44	32	40
7 0			88	84	79	72	64	54	43	31	7 0
20			83	80	75	68	61	51	41	30	20
40				75	70	64	57	49	39	28	40
8 0					65	60	53	46	37	27	8 0
20						55	49	42	34	25	20
40							45	39	32	23	40
9 0							41	36	29	21	9 0
20								32	26	19	20
40								28	23	17	40
10 0								24	20	15	10 0
20									17	12	20
40									13	10	40
11 0									10	7	11 0
20									7	5	20
40										3	40
12 0										0	12 0

Für Orte, die nicht zu weit von Berlin entfernt sind, wird man aus dem für Berlin gegebenen Verzeichnis häufig schon ersehen können, ob eine Sternbedeckung stattfindet oder nicht; für näher gelegene Orte dürfte es in diesem Falle schon genügen, wenn man an die für Berlin gegebenen Zeiten des Ein- und Austritts nur die Längendifferenz anbringt. Wenn nämlich die Sehne vom Punkte des Eintritts zu dem des Austritts dem Mondmittelpunkt nahe liegt, so müßte der Unterschied der Parallaxe für Berlin und den anderen Ort schon nahe den Betrag des Mondhalbmessers erreichen, wenn dort die Sternbedeckung nicht sichtbar sein sollte; für nahe liegende Orte sind die Wirkungen kleiner Unterschiede der Parallaxen gerade in diesem Falle sehr gering.

Um allgemein für irgend einen Ort, dessen östliche Länge d und dessen geozentrische Breite φ' näherungsweise bekannt sind, im voraus zu bestimmen, welche Sternbedeckungen sichtbar werden, hat man nach den im Jahrbuch gegebenen Elementen folgendes zu beachten:

Nach den Angaben der Mondephemeride kennt man die Zeiten des Meridiandurchganges des Mondes (M), seine Deklination (δ) und die Deklination der Sonne. Nachdem man dann ($T + d$) gebildet, wird man mit Hilfe einer Tafel der halben Tagbögen (wie sie in den Handbüchern der Nautik für alle Breiten sich berechnet finden) meist sogleich entscheiden können:

1) Ob Eintritt und Austritt nach Sonnenuntergang und Mondaufgang oder vor Sonnenaufgang und Monduntergang stattfinden. Auf die Vergrößerung des Tagbogens durch die Bewegung des Mondes und auf dessen Parallaxe ist vorläufig hierbei keine Rücksicht geboten, da deren Wirkungen in ihren mittleren Werten mittels der Tafel Seite [16] durch τ berücksichtigt werden.

Aus vorstehender Tafel, in welcher τ das Zeichen des Stundenwinkels hat, erhält man sogleich mit φ' und $T + d - M$ einen Näherungswert für τ und hiermit den genäherteren Stundenwinkel $t = T + d - M + \tau$ und $q_0 = q + \tau q'$. Einen genäherten Wert von v erhält man durch Berechnung von

$$\sin(\varphi' - D) + \cos\varphi' \sin D\,(1 - \cos t)\ ^{1)}.$$

2) Ist nun $q_0 - v < k$, so findet in der Regel eine Bedeckung statt, im entgegengesetzten Falle nicht. Da aber τ zuerst nur annäherungsweise bekannt ist, so muß, wenn $q_0 - v$ dem Werte von k nur nahe kommt, eine ausführlichere Berechnung angestellt werden.

In vielen Fällen dieser Art genügen indes schon einige weitere Betrachtungen zur Entscheidung, ob der aus der Tafel entnommene Wert von τ dem wahren Werte von τ sehr nahe kommt, größer oder kleiner ist. Man wird nämlich leicht entscheiden können, ob $(q' - v')$ sehr klein,

[1]) Um für einen Ort eine allgemeine, für diesen Zweck genügende Tafel der v zu bilden, hat man höchstens 5 Werte von $\sin(\varphi' - D)$ und 2 Werte von $\cos\varphi' \sin D$ auf 2 oder 3 Stellen zu berechnen.

positiv oder negativ wird, das Zeichen von $(q_0 - v)$ ist in den erwähnten zweifelhaften Fällen sehr bestimmt zu erkennen. Der Wert von u hängt für eine bestimmte Breite des Ortes nur von $\sin t$ ab und kann nie größer als $\cos \varphi'$ werden. — Hiernach gilt folgende Regel:

3) Sind $(q_0 - v)$ und $(q' - v')$ gleichnamig (beide positiv oder beide negativ), so muß $p_0 - u = \tau p' - u$ negativ, sind jene ungleichnamig, so muß $\tau p' - u$ positiv, ist $(q' - v')$ sehr klein (also das Vorzeichen noch unbestimmt), so muß $\tau p'$ nahe gleich u werden, wonach man den Tafelwert von τ sogleich um ein oder ein paar Zehntel der Stunde im richtigen Sinne verbessern kann.

Seite 417 enthält die Vorausberechnung der Sternbedeckungen für Berlin.

Jupiterstrabanten (S. 418—423).

Auf die Sternbedeckungen folgen die Erscheinungen der vier älteren Jupiterstrabanten, und zwar für sämtliche Trabanten zunächst die Angaben, aus denen man ihre Örter, wie sie vom Mittelpunkte der Erde aus gesehen zu einer beliebigen Zeit in Bezug auf den Mittelpunkt der Jupiterscheibe erscheinen, herleiten kann; sodann die Zeitangaben für die Verfinsterungen der Trabanten in dem Schattenkegel des Jupiter. Bei den Verfinsterungen ist für die beiden inneren Trabanten die Zeit des Ein- oder Austritts, für die beiden äußeren Trabanten die Mitte der Verfinsterung und ihre halbe Dauer angegeben, alles in mittlerer Berliner Zeit und so, wie man die Erscheinung beobachtet.

Für den geozentrischen Ort ist die Zeit der jedesmaligen scheinbaren oberen Konjunktion des Trabanten mit der Erde, d. i. die Zeit, wann Jupiter sich in der zur Trabantenbahn senkrechten Ebene zwischen der Erde und dem Trabanten befindet, angesetzt. Für jeden Trabanten kann man mit Hilfe der unten folgenden numerischen Angaben Tafeln berechnen, welche für die Dauer eines mittleren synodischen Umlaufs die Abszissen und Ordinaten des Ortes des Trabanten in seiner als kreisförmig angenommenen Bahn ergeben[1]). Die Achse der Abszissen liegt senkrecht auf der Konjunktionsebene, beide Koordinaten natürlich in der Ebene der Trabantenbahn und ihr Anfangspunkt im Mittelpunkte der Jupiterscheibe. Die Einheit, in welcher die Koordinaten ausgedrückt sind, ist der Halbmesser des Jupiter. Die kreisförmige Bahn wird sich der Erde als eine Ellipse darstellen, deren kleine Achse in der Konjunktionsebene liegt, so daß die Abszissen ungeändert bleiben, die Ordinaten aber in dem Verhältnis der halben kleinen zur halben großen Achse vermindert werden müssen. Dieses Verhältnis, und zwar $b:a$, ist neben den Zeiten der oberen Konjunktion angesetzt. Wünscht man nun für eine Zeit T, welche zwischen zwei auf einander folgende Zeiten t und t' der

[1]) Solche Hilfstafeln sind in den Jahrbüchern bis zum Jahrgang 1871 gegeben.

oberen Konjunktion fällt, den Ort des Trabanten zu haben, so geht man mit dem Argument

$$T - t$$

in die Hilfstafeln ein, nimmt daraus die entsprechenden Werte von x und y', und hat damit in Halbmessern des Jupiter den Stand des Trabanten in Bezug auf den Mittelpunkt des Jupiter gegeben durch

$$x \text{ und } y = y' \frac{b}{a},$$

wobei man die Zeichen von x, y' und $b:a$ zu berücksichtigen hat. Das Zeichen der letzten Größe deutet an, welche Fläche der Trabantenbahn man sieht, ob die obere (nördliche, dem Nordpole der Ekliptik zugewandte bei positivem $b:a$), oder die untere (südliche).

Die Zeichen von x und y sind so gewählt, daß für Berlin zur Zeit der Kulmination der Trabant für den Anblick im Fernrohre bei positivem x rechts, bei negativem x links vom Jupiter erscheint; bei positivem y ist er nördlich und beim negativen y südlich von einer Linie, welche mit den Streifen parallel durch das Zentrum des Jupiter gezogen werden kann.

Die Zeiten der Ein- und Austritte der Trabanten in die Jupiterscheibe kann man genähert aus

$$x^2 + y^2 = 1$$

berechnen.

Die Koordinaten der Trabanten berechnet man aus den folgenden Formeln:

$$\left.\begin{aligned} x &= [0.7559] \sin (203^\circ.40\, t) \\ y' &= [0.7559] \cos (203^\circ.40\, t) \end{aligned}\right\} \text{Trabant I}$$

$$\left.\begin{aligned} x &= [0.9576] \sin (101^\circ.29\, t) \\ y' &= [0.9576] \cos (101^\circ.29\, t) \end{aligned}\right\} \text{Trabant II}$$

$$\left.\begin{aligned} x &= [1.16017] \sin (50^\circ.235\, t) \\ y' &= [1.16017] \cos (50^\circ.235\, t) \end{aligned}\right\} \text{Trabant III}$$

$$\left.\begin{aligned} x &= [1.40552] \sin (21^\circ.488\, t) \\ y' &= [1.40552] \cos (21^\circ.488\, t) \end{aligned}\right\} \text{Trabant IV,}$$

wo t die seit der letzt vorangehenden oberen Konjunktion verflossene Zeit bezeichnet, ausgedrückt in Tagen, und wo die eingeklammerten Zahlen Logarithmen bedeuten. Die zu Grunde gelegten Werte der mittleren Entfernungen vom Jupiterszentrum (in Halbmessern der Jupiterscheibe) und die synodischen Umlaufszeiten sind beziehungsweise:

Trabant	I.	5.70	1^d	18^h	$28^m.6$
»	II.	9.07	3	13	17 .9
»	III.	14.46	7	3	59 .6
»	IV.	25.44	16	18	5 .1.

Die Angaben für die Jupiterstrabanten sind nach den Tafeln von Damoiseau und deren Fortsetzung von Pottier berechnet.

Saturnsring (S. 424—425).

Die Angaben für die scheinbare Größe des Saturn und für die Lage und Größe des Saturnsringes haben die folgende Bedeutung:

α Große Achse des Saturn.

β Scheinbare kleine Achse des Saturn.

p_a Phase; positiv, wenn der Ostrand, negativ, wenn der Westrand verdunkelt ist.

a Große Achse der Ringellipse.

b Kleine Achse der Ringellipse; positiv, wenn die nördliche, negativ, wenn die südliche Fläche des Ringes sichtbar ist.

U' Heliozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes in der Ekliptik an.

B' Erhöhungswinkel der Sonne über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P' Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Breitenkreise; östlich positiv, westlich negativ.

U Geozentrische Länge des Saturn, gezählt auf der Ringebene vom aufsteigenden Knoten des Ringes im Erdäquator an.

B Erhöhungswinkel der Erde über der Ringebene vom Saturn aus gesehen; nördlich positiv, südlich negativ.

P Winkel der kleinen Achse der Ringellipse mit dem durch den Saturnsmittelpunkt gehenden Deklinationskreise; östlich positiv, westlich negativ.

	1914	April 9	Aug. 15	Dez. 21
N	Aufsteigender Knoten der Ringebene im Erdäquator, gezählt vom Äquinoktium an	126° 59′.0	126° 59′.8	127° 0′.7
J	Neigung der Ringebene gegen den Erdäquator	6 52.0	6 51.9	6 51.8
ω	Entfernung der Ekliptik vom Erdäquator, gemessen auf der Ringebene	42 27.8	42 27.2	42 26.6

Es liegen folgende Bestimmungen nach Struve zu Grunde:

Durchmesser des Saturn in der Entfernung 9.53887

Äquatorial	17″.47
Polar	15 .65

Lage des Saturnsringes gegen die Ekliptik und das Äquinoktium von 1889.25

$$\Omega_1 = 167° 57'.0 \quad \text{und} \quad i_1 = 28° 5'.6;$$

Durchmesser des Ringes in der Entfernung 9.53887

$$2R = 39''.35.$$

Saturnstrabanten (S. 426–451).

Alle Berechnungen über die Saturnstrabanten sind mit den von H. Struve in:

I. Beobachtungen der Saturnstrabanten, 1. Abteilung, 1. Supplementheft zu den »*Observations de Poulkova*«;

II. *Publications de l'Observatoire Central Nicolas*, Série II, Vol. XI,

abgeleiteten und im folgenden kurz angeführten Elementen durchgeführt. Einzelne Verbesserungen zu den Elementen hat Herr H. Struve handschriftlich mitgeteilt. Für die Halbachsen der 6 inneren Trabanten sind die auf Seite 239 der zweiten Abhandlung mittels der Saturnsmasse $\mu = \frac{1}{3500}$ rechnerisch abgeleiteten Werte angenommen.

Mimas

(II, Seite 195).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 127^\circ\ 19'.0$

$n = 381^\circ.9945$

$\delta l = -44^\circ.243 \sin(116^\circ.46 + 5^\circ.075\, t)$
$\quad - 0^\circ.75 \sin 3(116^\circ.46 + 5^\circ.075\, t)$

$l_1 = E_0 + nt_d + \delta l$

$\Theta = 54^\circ.7 - 365^\circ.3\, t$

$\gamma = 1^\circ\ 36'.5$

$\Pi_1 = 107^\circ.2 + 365^\circ.3\, t$

$e = 0.0190$

$a = 26''.814$

Enceladus

(II, Seite 183).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 199^\circ\ 19'.8$

$n = 262^\circ.73199$

$\delta l = +11'.24 \sin(143^\circ + 92^\circ.4\, t)$
$\quad + 20'.0 \sin(75^\circ + 29^\circ.3\, t)$

$l_1 = E_0 + nt_d + \delta l$

$\Theta = 328^\circ - 152^\circ.7\, t$

$\gamma = 1'.4$

$\Pi_1 = 308^\circ.38 + 123^\circ.43\, t$

$e = 0.0046$

$a = 34''.401$

Tethys

(II, Seite 195).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 284^\circ\ 31'.0$

$n = 190^\circ.69795$

$\delta l = +118'.90 \sin(116^\circ.46 + 5^\circ.075\, t)$
$\quad + 2'.02 \sin 3(116^\circ.46 + 5^\circ.075\, t)$

$l_1 = E_0 + nt_d + \delta l$

$\Theta = 110^\circ.55 - 72^\circ.5\, t$

$\gamma = 1^\circ\ 4'.36$

$e = 0.0000$

$a = 42''.586$

Dione

(II, Seite 183).

Epoche: 1889 April 0.0 mittl. Gr. Zt.

$E_0 = 253^\circ\ 51'.4$

$n = 131^\circ.534955$

$\delta l = -1'.21 \sin(143^\circ + 92^\circ.4\, t)$
$\quad - 2'.13 \sin(75^\circ + 29^\circ.3\, t)$

$l_1 = E_0 + nt_d + \delta l$

$\Theta = 276^\circ - 31^\circ.0\, t$

$\gamma = 4'.0$

$\Pi_1 = 165^\circ + 31^\circ.0\, t$

$e = 0.0020$

$a = 54''.543$

Rhea

(II, Seite 176).

Epoche: 1889 April 0.0 mittl. Greenw. Zeit.

$$E_\circ = 358^\circ\ 23'.8$$
$$n = 79^\circ.690087$$
$$E - E_\circ = +\ 4'.95 \sin(347^\circ.3 - 10^\circ.1\ t)$$
$$l = E_\circ + nt_d + (E - E_\circ)$$
$$(\Omega - \Omega_1) \sin i_1 = 19'.77 \sin(347^\circ.3 - 10^\circ.1\ t) - 0'.38 + 1'.00 \sin(48^\circ.5 - 0^\circ.50\ t)$$
$$i - i_1 = 19'.77 \cos(347^\circ.3 - 10^\circ.1\ t) - 2'.79 + 1'.00 \cos(48^\circ.5 - 0^\circ.50\ t)$$
$$\Pi = 305^\circ + 10^\circ.1\ t$$
$$e = 0.0009$$
$$a = 76''.170$$

Ω_1 und i_1 bezeichnen die Lage des Saturnsringes.

Titan

(II, Seite 172).

Epoche: 1890 Jan. 0.0 mittl. Greenw. Zeit.

$$E_\circ = 260^\circ\ 25'.1$$
$$n = 22^\circ.577009$$
$$E - E_\circ = +\ 4'.05 \sin(47^\circ.8 - 0^\circ.51\ t)$$
$$l = E_\circ + nt_d + (E - E_\circ)$$
$$\Omega = 167^\circ\ 51'.2 + 35'.84 \sin(47^\circ.8 - 0^\circ.506\ t) + 0'.837\ t$$
$$i = 27^\circ\ 28'.4 + 16'.88 \cos(47^\circ.8 - 0^\circ.506\ t)$$
$$\Pi = 276^\circ\ 15' + 31'.7\ t + 22'.0 (\sin 2\,g - \sin 2\,g_\circ)$$
$$e = 0.02886 + 0.000186 (\cos 2\,g_\circ - \cos 2\,g)$$
$$g = \Pi - \Omega - 4^\circ.5$$
$$g_\circ = g \text{ für } t = 0$$
$$a = 176''.578$$

Hyperion

(II, Seite 290).

Epoche: 1890 Jan. 0.0 mittl. Greenw. Zeit.

$$E_\circ = 304^\circ.53$$
$$n = 16^\circ.919983$$
$$\delta l = 9^\circ.16 \sin(200^\circ.5 + 0^\circ.56206\ t_d)$$
$$l = E_\circ + n\,.\,t_d + \delta l$$

Äquinoktium: 1890.0. Epoche: 1890.0 + t.

$$\Omega = 167^\circ\ 49'.7 + 42'.4 \sin(47^\circ.8 - 0^\circ.50\ t) + 78'.1 \sin(121^\circ.7 - 2^\circ.0\ t)$$
$$i = 27^\circ\ 20'.8 + 19'.6 \cos(47^\circ.8 - 0^\circ.50\ t) + 36'.2 \cos(121^\circ.7 - 2^\circ.0\ t)$$

Epoche und Äquinoktium: 1888.890 + t.

$$\Pi = 276^\circ.50 - 18^\circ.663\,t + 14^\circ.0 \sin(-0^\circ.84 + 19^\circ.191\ t) - 1^\circ.5 \sin(-1^\circ.68 + 38^\circ.382\ t)$$
$$e = 0.1043 + 0.0230 \cos(-0^\circ.84 + 19^\circ.191\ t) + \delta e$$
$$e\delta e = -\ 0.00044 \cos(200^\circ.5 + 0^\circ.56206\ t_d)$$
$$a = 213''.92 + \delta a$$
$$\delta a = -\ 0.00354\ a \cos(200^\circ.5 + 0^\circ.56206\ t_d)$$

Japetus

(I, Seite 87; II, Seite 139).

Epoche: 1885 Sept. 1.0 mittl. Greenw. Zeit.

$E_0 = 75^\circ\ 26'.4$	$i = 18^\circ\ 28'.3 - 0'.54\ t$
$n = 4^\circ.537997$	$\Pi = 354^\circ\ 30' + 7'.9\ t$
$l = E_0 + n\ .\ t_d$	$e = 0.02836 + 0.000015\ t$
$\Omega = 142^\circ\ 12'.4 - 1'.48\ t$	$a = 514''.59$

l_1, l = Mittlere Länge in der Bahn
n = Tropische mittlere tägliche Bewegung
δl = Libration
t_d = Anzahl der Tage seit der Anfangsepoche
t = Anzahl der Jahre seit der Anfangsepoche
Θ = Knoten auf dem Saturnsäquator
Ω = Knoten auf der Ekliptik
γ = Neigung der Trabantenbahn gegen den Saturnsäquator
i = Neigung der Trabantenbahn gegen die Ekliptik
Π_1, Π = Perisaturnium
e = Exzentrizität
a = Halbachse der Trabantenbahn in der mittleren Entfernung $(\varrho) = 9.53887$

l_1, Π_1 und Θ werden gezählt vom Äquinoktium aus in der Ekliptik, weiter im Saturnsäquator und dann erst in der Trabantenbahn, l und Π vom Äquinoktium aus in der Ekliptik und weiter in der Trabantenbahn.

Zunächst sind für die fünf inneren Trabanten auf den Seiten 426 bis 436 die Hilfsmittel gegeben, um in bequemer Weise ihre Positionen ableiten zu können. Sieht man hierbei von den Neigungen γ ab, so erhält man die rechtwinkeligen Koordinaten x und y des Trabanten in bezug auf ein Achsenkreuz, dessen Anfangspunkt im Mittelpunkt des Saturn gelegen ist, dessen X-Achse parallel der großen Achse des Ringes verläuft, positiv, wenn östlich, negativ, wenn westlich vom Saturn, und dessen positive Y-Achse mit dem durch den Saturnsmittelpunkt gehenden Deklinationskreise den Winkel P einschließt, aus den Gleichungen:

$$x = \frac{a(\rho)}{\rho}\,\frac{1}{1+\zeta}\,\frac{r}{a}\,\sin(u-U)$$

$$y = \frac{a(\rho)}{\rho}\,\frac{1}{1+\zeta}\,\frac{r}{a}\,\sin B\cos(u-U).$$

Die Größen U und B sind Seite 425 zu entnehmen. $(\varrho) = 9.53887$ bezeichnet den mittleren Wert der Entfernung Sonne—Saturn, ϱ ist die Entfernung Erde—Saturn, $u = L + (v - M)$ ist die wahre Länge des Trabanten vom Erdäquator an gezählt.

Ist genaueste Ortsbestimmung erforderlich, so darf man bei Mimas, Tethys und Rhea die Neigungen gegen den Saturnsäquator, da sie schon

merklichere Werte annehmen, nicht mehr vernachlässigen; x und y ergeben sich dann aus:

$$x = \frac{a(\rho)}{\rho} \frac{1}{1+\zeta} \frac{r}{a} \sin(u-U)$$

$$y = \frac{a(\rho)}{\rho} \frac{1}{1+\zeta} \frac{r}{a} \sin B \left[\cos(u-U) + \sin\gamma \operatorname{cotg} B \sin(u-\vartheta)\right];$$

hierin bezeichnet ϑ die Länge des aufsteigenden Knotens der Trabantenbahn auf dem Saturnsäquator, gezählt vom Schnittpunkte des Saturnsäquators mit dem Erdäquator; ϑ ergibt sich aus:

$$\vartheta = \Theta - \Omega_1 + \omega$$

für Tethys ist $\frac{r}{a} = 1$.

Will man aus x und y noch Rektaszensions- und Deklinationsdifferenzen bestimmen, so dienen dazu die Gleichungen:

$$s \sin(p-P) = x$$
$$s \cos(p-P) = y$$
$$\Delta\alpha = \alpha_{tr} - \alpha_{pl} = \frac{1}{15} s \sin p \sec \delta_{tr}$$
$$\Delta\delta = \delta_{tr} - \delta_{pl} = s \cos p.$$

Auf den Seiten 437 bis 445 finden sich für die drei äußeren Trabanten Titan, Hyperion und Japetus, außer den Hilfsgrößen U, B und P, die Rektaszensions- und Deklinationsunterschiede gegen den Saturn in dem Sinne Trabant minus Planet. Die aus den Angaben des Berliner Jahrbuchs ermittelten wahren Trabantenörter beziehen sich auf das mittlere Äquinoktium der Epoche.

Zum Schluß enthalten die Seiten 446—451 die Zeitangaben für die östlichen und westlichen Elongationen der Saturnstrabanten und für die oberen und unteren Konjunktionen von Japetus mit Saturn; diese Zeitangaben für die Elongationen und Konjunktionen sind bereits für Lichtzeit korrigiert, also ohne weiteres mit den Beobachtungen vergleichbar.

Konstellationen (S. 452).

In der Übersicht der Konstellationen des Jahres 1914 sind die hauptsächlichsten Planeten-Konstellationen gegeneinander und gegen Sonne, Mond und die Sterne 1. und 2. Größe, letztere nur soweit als die Differenz der Deklination zwischen Planet und Stern den Betrag von 1^0 nicht übersteigt, sowie die Angaben der Epochen, zu welchen sich die Planeten in gewissen Hauptpunkten ihrer Bahn und ihres synodischen Laufes befinden, zusammengestellt. — Die Konjunktionen der Planeten mit dem Mond und untereinander sind als Konjunktionen in AR. zu verstehen. Letztere sind nur insoweit berücksichtigt, als die Differenz der Deklinationen beider Planeten den Betrag von 3° nicht

übersteigt. Die Epochen der größten Helligkeit der Venus sind nach der Formel für die Lichtstärke von G. Müller (*Publikation des Astrophys. Observatoriums zu Potsdam*, Bd. VIII, Seite 197 ff.) berechnet.

Hilfstafeln (S. 453—468).

Es folgt eine Reihe von häufig gebrauchten Hilfstafeln.

1) Die Tafel zur Berechnung der physischen Mondlibration (Seite 453). Die zur Berechnung der physischen Mondlibration dienenden Ausdrücke sind auf Seite 453 vollständig gegeben. Sie beruhen auf der Annahme $f = 0.75$, worüber F. Hayn (Selenographische Koordinaten III, Seite 49) einzusehen ist.

2) Die Tafel zur Berechnung der optischen Mondlibration (Seite 454 und 455) reproduziert (mit $J = 1° 32' 6''$ berechnet) die Enckesche Tafel (Berl. Jahrb. 1843); sie gestattet in Verbindung mit den Angaben der Seite 88 die rasche Berechnung der optischen Libration in selenographischer Länge und Breite nach den Formeln, die auf Seite 454 vollständig aufgeführt sind. Hierbei ist die Kenntnis der auf den Beobachtungsort als Nullpunkt bezogenen Längen und Breiten des Mondes notwendig; man kann dieselben aus der mit Hinzufügung der Parallaxe berechneten AR. und Dekl. des Mondes ableiten, wozu man sich der gewöhnlichen Umwandlungsformeln oder, wenn nicht größere Genauigkeit erfordert wird, der Enckeschen Hülfstafel in der Veröffentlichung Nr. 14 des Recheninstituts bedienen kann.

3) Eine Tafel für die Ermittelung eines Datums in der julianischen Periode. (Seite 456—459.) Die Tafel besteht aus zwei Teilen. Der erste Teil (S. 456 und 457) gibt in vierjährigen Schaltperioden für die Jahre 0 bis 2000 die Anzahl der am 0. Januar seit Anfang der Julianischen Periode verflossenen Tage. Als Ergänzung gibt die Hülfstafel am Fuß der Seite die Anzahl der am 0. jedes Monats seit Beginn der Schaltperiode verflossenen Tage. Der zweite Teil (S. 458 und 459) gibt für die Jahre 1860 bis 1940 unmittelbar die Anzahl der am 0. jedes Monats im gregorianischen Kalender seit Beginn der julianischen Periode verflossenen Tage.

4) Die Hilfstafeln zur gegenseitigen Verwandlung von mittlerer Zeit und Sternzeit (Seite 460 und 461).

5) Eine Tafel zur Verwandlung von Stunden, Minuten und Sekunden in Dezimalteile des Tages und umgekehrt (Seite 462 und 463).

6) Eine Tafel der Hilfsgrößen zur Berechnung der Präzession von den hauptsächlichsten Sternkatalog-Epochen bis 1914.0 (Seite 464).

7) Eine Tafel der Hilfsgrößen zur Übertragung der Polsternörter von verschiedenen mittleren Äquinoktien auf das mittlere Äquinoktium von 1914.0 (Seite 465).

8) Eine Tafel zur Übertragung von Sternörtern vom mittleren Äquinoktium 1914.0 auf das Normal-Äquinoktium 1925.0 (Seite 466—468).

Koordinaten der Sternwarten (S. 469—476).

Die Seiten 469 bis 476 enthalten die geographischen und geozentrischen Koordinaten der Sternwarten.

Die Seehöhen sind in allen Fällen angegeben worden, wo sie sich einigermaßen sicher ermitteln ließen; zumeist sind sie dem Verzeichnis von Prof. Auwers im *Geographischen Jahrbuch* entnommen worden; bei der Berechnung von log ϱ sind sie berücksichtigt.

Die geozentrischen Koordinaten sind nach den Besselschen Erddimensionen berechnet.

Die Kolumne »Korrektion der Sternzeit« enthält für jeden Ort die Differenz: Sternzeit im mittleren Ortsmittag minus Sternzeit im mittleren Berliner Mittag.

Das Verzeichnis hat im vorliegenden Jahrgang Änderungen bezw. Zusätze für die Lage folgender Sternwarten erfahren:

Düsseldorf	nach Mitteilung von Hrn. Prof. Albrecht, Potsdam.
Lissabon (Tapada) Lourenço Marques	» » » » Dir. Campos, Rodrigues.
Sétif	» den *Astron. Nachr.* 189, S. 343.
Straßburg	» » » » 187, S. 158.

Außerdem sind nach den Angaben der *American Ephemeris* 1913 die Seehöhen für folgende Sternwarten hinzugefügt worden: Cleveland, Flagstaff, Hanover, New Haven, Philadelphia, South Hadley, Toronto, Urbana, Washington (Neue Stw.), West Point, Williams Bay und Williamstown.

Erläuterungen zu den Angaben über kleine Planeten (S. (1)—(89)).

Der auf die kleinen Planeten bezügliche Teil des Jahrbuchs erscheint diesmal in etwas veränderter Form, die einer kurzen Erläuterung bedarf. Insbesondere gilt dies von den auf die demnächstige Erscheinung bezüglichen Angaben.

Die Art und Weise der rechnerischen Behandlung der kleinen Planeten wird erst eigentlich zu einem schwierigen Problem durch die beständig wachsende Zahl der Objekte dieser Art, die zu unserer Kenntnis gelangen. Alle Methoden der scharfen oder genäherten Berechnung, sie mögen noch so geringe Zeit für ein einzelnes Objekt beanspruchen, führen zu nicht zu überwältigenden Rechnungen, wenn sie auf 700 Objekte und mehr angewendet werden sollen. Aus diesem Grunde kann zurzeit das Hauptaugenmerk nur darauf gerichtet werden, die bereits be-

kannten Objekte zu sichern. Nur dadurch kann es gelingen, die Schar der stets erneut aufgefundenen Objekte zu sichten, die alten zu identifizieren, die neuen als solche zu erkennen. Die für diese Sicherung unbedingt erforderlichen Grundlagen zu liefern, ist in erster Linie der Zweck der auf die kleinen Planeten bezüglichen Vorausberechnungen des Astronomischen Recheninstituts. Dadurch sollen einmal eine sonst unfehlbar eintretende vollständige Unordnung verhütet und gleichzeitig systematische Beobachtungen angeregt und ermöglicht werden, die für eine in Zukunft zu erhoffende theoretische Behandlung der kleinen Planeten die erforderliche Grundlage bieten. Infolge des durch die große Zahl der Objekte bedingten Umfanges der Rechenarbeit kann hierbei zunächst eine Bevorzugung interessanter Objekte nur noch in Ausnahmefällen stattfinden; vielmehr wird man die Vorausberechnung für alle Objekte auf das unbedingt erforderliche Mindestmaß an Genauigkeit beschränken müssen. Die erste grundlegende Arbeit im Gebiete der kleinen Planeten ist also die Vorausberechnung des genäherten Ortes für alle in Opposition kommenden bekannten Objekte. Es gilt allein, zu überlegen, bis zu welcher Genauigkeit diese Vorausberechnung getrieben werden soll. Angesichts der Tatsache nun, daß die Verfolgung der kleinen Planeten sich heutzutage des mächtigen Hilfsmittels der Photographie bedient, wird man sich mit einer Genauigkeit von $^1/_2{}^0$—1^0 im geozentrischen Ort begnügen können. Für viele Objekte wird diese Genauigkeit ganz ohne Berücksichtigung der Störungen erreichbar sein, wenn man nur über gute mittlere Elemente verfügt. Um solche allmählich zu erlangen, sowie um die anderen, etwas kritischeren Planeten, bei denen die Vernachlässigung der Störungen zu schnell große Abweichungen verursachen würde, doch genähert vorausberechnen zu können, ist eine beständige Kontrolle der Rechnung und event. eine empirische Korrektion der Elemente an der Hand der Beobachtungen geplant. Hierzu bedürfen wir daher der systematischen Mitarbeit der Beobachter. Wenn alle Planeten regelmäßig wenigstens in jeder zweiten Opposition photographisch aufgefunden und vermessen werden, sind wir stets in der Lage, sobald unsere Vorausberechnung stark fehlerhaft zu werden beginnt, eine Verbesserung, sei es zunächst der mittleren Bewegung, sei es aller Elemente vorzunehmen und dadurch die Vorausberechnung für einen weiteren Zeitraum innerhalb jener Genauigkeitsgrenze zu halten. Nur für die besonders kritischen Planeten wird eine genäherte Berechnung der Störungen in den Zeiten ihrer Jupiternähe nicht ganz zu umgehen sein. Der Erfolg dieses Planes beruht auf der energischen und systematischen Unterstützung durch die Beobachter, sowohl der photographischen wie auch der visuellen, die nach der photographischen Auffindung leicht an der Hand der Angaben des Jahrbuches einige Beobachtungen werden anstellen können. Dazu schien aber die bisherige Form, in der das Jahrbuch diese Angaben gibt, nicht mehr

zweckentsprechend, da sie nur für den Moment der Opposition Ort und Ortsveränderung eines jeden Planetoiden enthält. Einmal war die Kontrolle erschwert, sobald eine Beobachtung längere Zeit von der Opposition entfernt angestellt war. Andererseits aber waren vor allem die Beobachtungen selbst auf ein zu enges Intervall um die Opposition beschränkt, sobald man nur über die erwähnten Angaben verfügte. Aus diesem Grunde waren schon seit etwa 15 Jahren längere Ephemeriden für die der Beobachtung besonders dringend bedürftigen, meist neueren Planeten berechnet und in besonderen Heften als »Veröffentlichungen des Recheninstituts« publiziert worden, und manche auswärtigen Berechner hatten sich diesem Vorgang angeschlossen, indem sie in den Astron. Nachrichten, dem Bulletin astronomique usw. derartige Ephemeriden für ausgewählte Objekte veröffentlichten. Es hatte dies aber den Nachteil, daß die Beobachter sich fast ausschließlich diesen Objekten zuwandten, die anderen vernachlässigten und so es bald dazu brachten, daß nunmehr alle älteren Objekte einer Beobachtung dringend bedürftig sind. Dem soll nun abgeholfen werden; die Beobachter sollen möglichst gleichmäßig ihr Interesse allen Objekten zuwenden, um die erwünschte Kontrolle der Vorausberechnungen stets zu ermöglichen, ohne welche die Abweichungen bald zu große Beträge annehmen und die Identifizierung erschweren würden. Aus diesem Grunde gibt das Recheninstitut für 1914 für diejenigen numerierten Planeten, die im Jahre 1912 in Opposition kommen, kleine Oppositionsephemeriden, die es ermöglichen werden, die Beobachtungen auf mehrere Wochen vor und nach der Opposition auszudehnen, derart daß, sobald durch die vorangegangene photographische Auffindung der Fehler der Ephemeride genähert bekannt geworden ist, visuelle Beobachter mit Leichtigkeit den Planeten auffinden und beobachten können. Es wäre dringend zu wünschen — und die in den Tagen vom 23.—26. Oktober 1911 zu Paris tagende astronomische Konferenz hat dies ausdrücklich ausgesprochen —, daß die Beobachter kleiner Planeten sich organisierten und eine systematische Beobachtungskontrolle über die kleinen Planeten einrichteten; durch praktische Verteilung der Arbeit nach Maßgabe der Leistungsfähigkeit der verfügbaren Instrumente würden sich zweifellos ohne Vermehrung an Arbeit ziemlich lückenlose Beobachtungsreihen für alle Objekte erzielen lassen.

Im Anschluß hieran werden alle Beobachter gebeten, ihre Beobachtungen (resp. den Fehler der Ephemeride) stets sofort veröffentlichen oder dem Astronomischen Recheninstitut zu Berlin direkt mitteilen zu wollen, damit die erforderliche Kontrolle der Vorausberechnung möglichst auf dem Laufenden gehalten und eventuell auf Lücken in den Beobachtungen eines Objekts rechtzeitig aufmerksam gemacht werden kann.

Ein weiterer Ausbau der Vorausberechnungsangaben ist nicht ausgeschlossen, sobald sich herausstellen sollte, daß berechtigte Wünsche der Beobachter dies als erforderlich erscheinen lassen.

Bezüglich der neu entdeckten Objekte insbesondere richtet das Recheninstitut an die Beobachter die Aufforderung, für eine zur ersten Bahnbestimmung ausreichende Zahl von Beobachtungen Sorge tragen zu wollen; denn von der Güte der ersten Bahnbestimmung hängt die Möglichkeit des Wiederauffindens vor allem ab. Die Berechnung der ersten Bahnen wird das Recheninstitut in allen Fällen gern übernehmen, in denen das ihm zugängliche Beobachtungsmaterial dazu ausreicht.

Wenn so das Astronomische Recheninstitut selbst den skizzierten Plan der systematischen, wenn auch nur genähert durchgeführten Kontrolle aller Planeten festhält, so wird es natürlich alle Bestrebungen auf theoretisch verfeinerte Behandlung besonderer Objekte gern unterstützen und umgekehrt von allen diesbezüglichen Arbeiten zugunsten einer genaueren Vorausberechnung Gebrauch machen. So ist z. B. beabsichtigt, sobald als möglich die unter Leitung von A. O. Leuschner ausgeführte, kürzlich erschienene Arbeit »Tables of minor planets discovered by James C. Watson« (Memoirs of the National Academy of Sciences, Vol. X) für die Vorausberechnung der darin behandelten 12 Objekte nutzbar zu machen.

Im Einzelnen ist zu den auf die kleinen Planeten bezüglichen Angaben zu bemerken:

Bahnelemente der kleinen Planeten (S. (2)—(38)).

In der Uebersicht der Bahnelemente geben die unmittelbar der Nummer und dem Namen folgenden Kolumnen das Datum der Opposition im Jahre 1912 und die gleichzeitige Größe des Planeten, sofern im Jahre 1912 eine solche Opposition stattfindet. Diese Angaben fehlen nur bei den 17 Planeten: 99, 132, 155, 193, 220, 285, 323, 330, 353, 392, 396, 400, 452, 463, 473, 493, 515, deren Ort auch nicht angenähert vorausberechnet werden kann. Die weiteren Daten: die mittlere Größe m_0, d. h. die Größe, welche der Planet in seiner mittleren Entfernung a von der Sonne und der gleichzeitigen Entfernung $a-1$ von der Erde haben würde, und g, berechnet nach der Formel

$$g = m_0 - 5 \log a\,(a-1),$$

dienen dazu, für einen beliebigen Ort des Planeten ($\varDelta$ Entfernung von der Erde, r von der Sonne) seine Größe M zu berechnen

$$M = g + 5\,(\log \varDelta + \log r).$$

Seit dem Erscheinen des letzten Jahrbuchs sind für weitere 23 Planeten elliptische Bahnelemente berechnet worden, so daß sie der Zahl der gesicherten Objekte, die dadurch auf 714 steigt, hinzugefügt werden konnten. Die näheren Angaben über diese neuen Planeten: Entdeckung, provisorische Bezeichnung, Grundlagen der Bahnrechnung, finden sich: Astr. Nachr. Bd. 189, S. 165 u. ff.

Gegenüber der im Jahrbuch für 1913 aufgeführten Tabelle der Bahnelemente von 691 Planeten weist die gegenwärtige die folgenden Änderungen auf:

Nr.	Änderung	Nr.	Änderung	Nr.	Änderung
1	} nach Naut. Alm.	202	emp. Korr.	406	St (Berberich)
3	}	203	emp. Korr.	414	emp. Korr.
28	St (Neugebauer)	206	emp. Korr.	415	emp. Korr.
35	St (Neugebauer)	208	emp. Korr.	418	emp. Korr.
45	emp. Korr.	210	emp. Korr.	419	St (Berberich)
49	emp. Korr.	213	emp. Korr.	431	emp. Korr.
55	emp. Korr.	216	emp. Korr.	437	St (Berberich)
57	St (Neugebauer)	217	emp. Korr.	448	emp. Korr.
62	emp. Korr.	218	emp. Korr.	456	St (Berberich)
64	emp. Korr.	222	El (Berberich)	466	St + El (Berberich)
68	St (Neugebauer)	229	emp. Korr.	474	El (Berberich)
71	St (Neugebauer)	237	emp. Korr.	489	El (Berberich)
74	emp. Korr.	241	St (Luther)	499	emp. Korr.
82	St (Luther)	242	emp. Korr.	516	St + El (Fontana)
84	St (Neugebauer)	247	St (Luther)	517	El (Berberich)
86	emp. Korr.	251	emp. Korr.	522	[El] (Berberich)
89	emp. Korr.	255	emp. Korr.	524	[El] (Berberich)
90	St (Neugebauer)	257	El (ω, Ω, i: Berb.)	528	emp. Korr.
93	emp. Korr.	265	St (Berberich)	542	[El] (Berberich)
95	St (Neugebauer)	273	[El] (Berberich)	550	emp. Korr.
100	emp. Korr.	288	St (Luther)	551	emp. Korr.
107	emp. Korr.	292	emp. Korr.	557	emp. Korr.
109	emp. Korr.	301	emp. Korr.	563	St + [El] (Berberich)
111	emp. Korr.	303	St (Millosevich)	566	El (Berberich)
113	St (Luther)	311	El (Berberich)	575	emp. Korr.
116	emp. Korr.	316	St + emp. Korr.	582	El (Berberich)
128	emp. Korr.	318	St (Mader)	586	El (Stracke)
134	St (Neugebauer)	319	St (Berberich)	588	El (Bidschof)
138	emp. Korr.	324	St (Berberich)	590	emp. Korr.
140	St + emp. Korr.	325	St (Berberich)	624	El + St (Strömgren)
152	emp. Korr.	361	St + [El] (Berberich)	654	St (Millosevich)
165	emp. Korr.	363	St (Antoniazzi)	674	St + El (Bianchi)
166	emp. Korr.	393	St (Berberich)	677	El (Hopfner)
168	emp. Korr.	397	St (Mader)	678	El (Hopfner)
171	emp. Korr.	401	St (Berberich)	687	El (Palisa)
175	St (Berberich)	402	[El] (Berberich)		

Abkürzungen:

El: Elementenverbesserung oder neue Elemente.

[El]: genäherte Elementenverbesserung.

St: Störungsrechnung.

emp. Korr.: empirisch korrigiert; die näheren Angaben über fast alle dieser von A. Berberich herrührenden Korrektionen einzelner Elemente (meistens von μ oder M) finden sich: A. N. 189, 171 u. ff.

Von den bisher nicht numerierten Planeten mit elliptischen Bahnen sind gestrichen [1901 *HD*] und [1909 *HN*], die als gesichert nunmehr die Nummern 692 und 693 erhalten konnten.

Von den Kreisbahnen wurde gestrichen 1892 *S*, der sich als identisch mit 708 [1911 *LJ*] erwies. Neu hinzugekommen sind [1908 *MF*] und [1910 *JY*].

Kurze und ausführliche Oppositionsephemeriden
(S. (39)—(89)).

Die oben erwähnten kurzen Oppositionsephemeriden sind für 563 im Jahre 1912 und zu Anfang des Jahres 1913 in Opposition gelangende Objekte auf der Grundlage der vorn gegebenen Elemente berechnet worden. Die Anordnung ist im Wesentlichen nach der Oppositionszeit erfolgt. Der Nummer und dem Namen des Planeten ist die Oppositionsgröße, sowie das letzte Jahr der Beobachtung, soweit bekannt geworden, hinzugefügt. Die Ephemeride selbst gibt: α, δ und $\log \Delta$ (Entfernung des Planeten von der Erde) in 10-tägigen Intervallen. Wiederum ist zu bemerken, daß für die oben (S. [29]) namhaft gemachten 17 Planeten die Berechnung angesichts der völligen Unsicherheit der Bahnelemente unterblieb.

Für 13 Planeten sind dem Astronomischen Recheninstitut ausführliche Oppositionsephemeriden von den Herren P. Neugebauer, W. Luther und H. Samter freundlichst zur Verfügung gestellt worden. Das Recheninstitut selbst wird solche ausführlichen Ephemeriden nur noch gelegentlich rechnen, wie z. B. in diesem Jahre für Eros; doch wird es stets gern bereit sein, rechtzeitig (bis zum 1. September) von anderer Seite eingelieferte Ephemeriden in das Jahrbuch aufzunehmen.

Die früher gegebenen »Nachweisungen über die kleinen Planeten« (A. Beobachtungen, B. Berechnungen) fallen im Berliner Jahrbuch von jetzt an fort; sie werden in dem von dem Astronomischen Recheninstitut mit Unterstützung der Astronomischen Gesellschaft übernommenen »Astronomischen Jahresbericht« (Verlag Georg Reimer, Berlin), in den sie ihrer ganzen Natur nach hineingehören, gegeben werden. Es wird das noch nachträglich für das Jahr 1910 in dem demnächst erscheinenden Jahrgang 1910 des AJB geschehen.

Berichtigungen zur Elemententabelle:

(50) Virginia $\Delta M = -1^\circ 30'$ noch anzubringende empirische Korrektion, mit der die Oppositionsephemeride schon gerechnet ist.

(370) Modestia M ist seit dem Jahrbuch für 1910 um -2° zu korrigieren.

Berichtigungen zu den Oppositionsephemeriden:

Seite (42) (444) Gyptis Febr. 21 α lies $8^h 59^m.3$ anstatt $59^m.6$

(641) [1907 *ZX*] Febr. 29 α lies $8^h 58^m.7$ anstatt $59^m.7$

Seite (43) Die von Hrn. Hopfner mitgeteilte Ephemeride von (705) [1910 *KV*] ist in δ und $\log \Delta$ fehlerhaft. Sie muſs lauten:

Jan. 22	$10^h 1^m.5$	$+44^\circ 51'$	0.280
Febr. 21	$9^h 22^m.2$	$+44^\circ 20'$	0.285

Vergl. auch die Fortsetzung Astr. Nachr. 191, 51

Seite (44) (500) Selinur Febr. 21 α lies $10^h 13^m.9$ anstatt $15^m.9$

Seite (46) (334) Chicago April 11 α lies $11^h 26^m.9$ anstatt $26^m.3$

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